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AN ACCOUNT OF THE STRATA
OF
NORTHUMBERLAND AND DURHAM
AS PROVED BY
BORINGS AND SINKINGS.

SUPPLEMENTARY VOLUME.

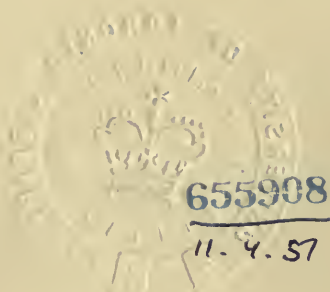
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AN ACCOUNT OF THE STRATA OF NORTHUMBERLAND AND DURHAM AS PROVED BY BORINGS AND SINKINGS.

No. 2,354.—ACKLINGTON.

TOWNSHIP OF ACKLINGTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. _____

Long. _____

Account of Strata bored through at Acklington by Mr. William Coulson.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	3	1	0	31	5	3
Sand and water ...	0	3	0				Dark grey metal,						
Yellow clay ...	1	4	0				with post girdles	1	4	0			
Loamy clay ...	1	4	0				Soft grey post, with						
Strong stony clay ...	3	1	9				water	1	1	0			
				7	1	9	Grey metal, with						
Yellow freestone ...	1	0	3				post girdles ...	0	3	0			
Light grey metal ...	0	4	0				Dark grey metal ...	1	0	0			
Grey post ...	0	1	6				Hard grey post, with						
Grey metal ...	1	4	0				water	1	4	9			
COAL ...	0	0	1				Dark grey post ...	0	3	0			
				3	3	10	Dark metal ...	1	2	0			
Strong grey metal ...	1	3	6				Grey metal ...	0	3	0			
Yellow sandstone ...	7	3	0				Grey post ...	0	4	6			
COAL , 4 inches of							Dark metal ...	0	3	0			
coarse coal at							Strong grey metal	1	3	0			
bottom ...	0	2	0				Grey post, with						
				9	2	6	metal partings ..	1	1	9			
Soft light grey							Dark grey metal ...	1	2	4			
metal thill ...	1	1	6				White post ...	4	3	7			
Dark grey metal,							Dark grey metal ...	1	1	0			
scared with coal...	2	0	6				Dark post, with						
Light grey metal ...	1	5	0				metal partings ...	0	4	7			
Grey post, with							Dark grey post, with						
water ...	1	4	2				metal partings ...	1	0	6			
Brown post...	0	4	0				Dark metal ...	1	0	6			
Grey post ...	3	5	11				Grey post ...	0	3	0			
COAL ...	0	0	1				Grey metal ...	0	2	6			
				11	3	2	Grey post, with						
Brown metal ...	0	2	0				metal partings ...	1	0	9			
Grey metal ...	1	0	0				Grey metal...	0	2	9			
Dark grey metal ...	1	0	0				White post ...	4	5	3			
Soft grey post ...	0	5	0								33	0	9
Carried forward	3	1	0	31	5	3	Total ...				65	0	0

Boring stopped on March 24th, 1874, by order of Mr. William Green.

No. 2,355.—ACOMB.

TOWNSHIP OF WEST ACOMB, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. $54^{\circ} 59' 30''$, Long. $2^{\circ} 5' 27''$.*Strata sunk through at Tynedale Colliery, Acomb, near Hexham, 1900.*

Approximate surface-level 376 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil	0	1	0				Brought forward	26	2	8	0	5	0	
Stony clay	0	4	0				<i>Little Limestone Coal—</i>							
				0	5	0								
Dark blue plate ...	0	3	0				COAL, good	2	2					
White post	1	4	0				Band	0	10					
Blue plate, with post							COAL, good	1	0					
girdles	7	0	0				Band	0	0 $\frac{1}{2}$					
Hazle, very hard ...	0	2	4				COAL	0	3					
Blue plate, with grey							Band	0	0 $\frac{1}{2}$					
post girdles	11	5	0				COAL, coarse	0	7					
Hard shale	0	2	4				COAL, good	1	0					
<i>Little Limestone</i>	2	4	0							0	5	11		
Hard grey post ...	0	1	0									27	2	7
Grey beds	1	5	0											
Carried forward	26	2	8	0	5	0	Total					28	1	7

No. 2,356.—ALLENDALE, WEST.

TOWNSHIP OF ALLENDALE COMMON, NORTHUMBERLAND.

Sheet 111 N.W. of Ordnance Map. Lat. $54^{\circ} 48' 58''$, Long. $2^{\circ} 18' 18''$.*Account of the Measures passed through in sinking the Barney Crag Mine Shaft, near Carr Shield.*

Approximate surface-level 1,350 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Quarry Hazle ...	3	4	0				Brought forward	17	3	0			
Plate ...	9	1	0				Nattrass Gill Hazle,						
<i>Four Fathoms Lime-</i>							into ...	3	5	0			
<i>stone</i> ...	3	5	0								21	2	0
Plate ...	0	5	0										
Carried forward	17	3	0				Total ...				21	2	0

No. 2,357.—ALLENDALE, WEST.

TOWNSHIP OF ALLENDALE COMMON, NORTHUMBERLAND.

Sheet 111 N.W. of Ordnance Map. Lat. $54^{\circ} 48' 58''$, Long. $2^{\circ} 18' 51''$.*Account of the Measures sunk through in the Scraith Hole Shaft, Coalcleugh Mine.*

Approximate surface-level 1,530 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Fire-stone, with coal							Brought forward	5	5	0			
over it ...	2	1	6				Little White Sill ...	1	3	0			
Shale ...	3	3	6				Shale ...	3	4	6			
Carried forward	5	5	0				Carried forward	11	0	6			

No. 2,357.—ALLENDALE, WEST.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	0	6				Brought forward				24	0	9
Fiddler's Sill ...	0	4	0				Shale ...	2	1	6			
Shale ...	2	1	9				Low Coal Sill, with						
Pattinson's Sill ...	2	1	6				coal ...	1	4	0			
Shale ...	2	5	6								3	5	6
Little Limestone ...	1	3	0				Shale ...	2	3	0			
Sandstone ...	0	1	6				Great Limestone ...	10	1	0			
Shale ...	1	5	0				Tuft ...	1	2	6			
High Coal Sill, with							Shale ...	2	2	0			
coal ...	1	2	0								16	2	6
				24	0	9							
Carried forward				24	0	9	Total ...				44	2	9

No. 2,358.—ALLENDALE.

TOWNSHIP OF ALLENDALE TOWN, NORTHUMBERLAND.

Sheet 102 N.W. of Ordnance Map. Lat. Long.

Account of the Measures sunk through in the Studdon Dean Shaft, Blackett Level.

Approximate surface-level 768 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hazle sill ...	1	3	6				Brought forward	7	4	0			
Plate ...	4	5	6				Famp* ...	0	3	0			
Little Limestone, im-							Freestone ...	6	3	0			
pure ...	1	1	0								14	4	0
Carried forward	7	4	0				Total ...				14	4	0

* Soft sandstone or shale.

No. 2,359.—ALLENDALE.

TOWNSHIP OF HIGH FOREST, NORTHUMBERLAND.

Sheet 111 of Ordnance Map. Lat. Long.

General Section of Strata from the Fell Top Limestone to the lowest Stratum in the Lead-mines at Allenheads, by Mr. T. Sopwith.

Approximate surface-level 1,700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate*							Brought forward	28	1	9			
Fell Top Limestone	0	4	3				White hazle...	1	3	6			
Fell Top Hazle ...	2	1	6				Plate ...	3	5	6			
Plate ...	5	0	0				Ironstone ...	0	3	6			
Whetstone Sill ...	1	2	0				COAL ...	0	1	6			
Plate ...	2	1	6								34	3	9
Hazle ...	1	5	0				Fire-stone ...	4	5	0			
Plate ...	1	1	6				Plate*	3	4	0			
High Slate Sill ...	4	0	0				White Tuft or White						
Plate ...	1	1	0				Sill† ...	2	2	3			
Low Slate Sill ...	3	5	0				Plate ...	2	1	0			
Plate ...	4	4	0				Girdle beds ...	0	3	6			
Carried forward	28	1	9				Carried forward	13	3	9	34	3	9

No. 2,359.—ALLENDALE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	13	3	9	34	3	9	Brought forward	55	5	11	63	5	9
Plate ...	2	0	3				Plate† ...	0	1	0			
Pattinson's Sill ...	2	0	0				Hazle ...	1	1	0			
Plate ...	3	1	6				Plate ...	1	5	8			
Little Limestone ...	1	3	9				Hazle ...	1	0	11			
Plate ...	3	1	9				COAL ...	0	0	3			
COAL ...	0	2	0								60	2	9
				26	1	0	Grey bed ...	0	3	7			
High Coal Sill ...	1	2	0				Hazle ...	0	5	9			
Plate ...	1	3	0				Plate ...	4	3	6			
COAL ...	0	2	0				<i>Scar Limestone—</i>						
				3	1	0	Limestone	10	0				
Low Coal Sill ...	1	4	0				Plate ...	3	3				
Plate ...	3	1	8				Limestone	21	9				
<i>Great Limestone—</i>										5	5	0	
High Flatt..	18	0					Plate ...	0	0	8			
Band ...	4	0					Hazle ...	0	1	4			
Limestone	6	0					Plate ...	1	5	3			
Band ...	4	0					Hazle ...	0	5	0			
Middle Flatt	10	0					Plate ...	0	0	3			
Band ...	3	0					Hazle ...	2	3	11			
Low Flatt ...	14	3					Grey bed ...	0	0	6			
			9	5	3		Plate ...	1	2	3			
Tuft ...	1	2	6				Hazle ...	0	5	0			
Plate ...	3	2	6				Plate ...	0	0	3			
Limestone Post ...	0	3	6				Hazle ...	0	2	6			
Quarry Hazle ...	4	4	6				Grey bed ...	0	3	0			
Plate ...	5	2	6				<i>Cockle-shell Limestone</i>	0	1	2			
Till bed ...	2	0	9				Hazle ...	1	0	9			
<i>Four Fathoms Lime-</i>							Plate ...	0	1	8			
<i>stone</i> ...	3	0	9				Hazle ...	0	3	0			
Nattrass Gill Hazle	3	1	0				<i>Tyne-bottom Lime-</i>				0	4	0
Plate ...	5	3	6				<i>stone</i> ...						
<i>Three Yards Lime-</i>							Whetstone or Pencil				8	0	0
<i>stone</i> ...	1	3	3				Bed ...				40	1	4
Plate ...	1	2	9				<i>Whin Sill</i> or basalt				5	0	0
Six Fathoms Hazle...	5	2	0				Pencil bed† ...						
Plate ...	0	4	0				<i>Jew Limestone, into</i>						
<i>Five Yards Lime-</i>											76	5	8
<i>stone†</i> ...	2	3	6										
Carried forward	55	5	11	63	5	9	Total ...				201	2	2

* to * Section taken in Collier Shaft, on the Blackett Level.

† to † Section taken in High Shaft.

‡ to ‡ Section of Burtree Pasture Mine, in Weardale.

No. 2,360.—ALLENDALE.

TOWNSHIP OF HIGH FOREST, NORTHUMBERLAND.

Sheet 107 of Ordnance Map. Lat. $54^{\circ} 49' 22\frac{1}{2}''$, Long. $2^{\circ} 13' 49''$.

Account of the Measures sunk through in the Breckon Hill Shaft, Blackett Level.

Approximate surface-level 1,150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	6	4	0				Brought forward	11	1	0	6	4	0
				6	4	0	Tuft ...	0	2	6			
<i>Great Limestone</i> ...	11	1	0				Plate ...	2	4	6			
Carried forward	11	1	0	6	4	0	Carried forward	14	2	0	6	4	0

No. 2,360.—ALLENDALE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	2	0	6	4	0	Brought forward	37	2	0	6	4	0
Quarry Hazle ...	12	1	0				Plate ...	8	3	0			
Plate ...	1	4	0				<i>Three Yards Lime-</i>						
<i>Four Fathoms Lime-</i>							<i>stone</i> ...	1	4	0			
<i>stone</i> ...	3	3	6				Famp* ...	0	3	0			
Famp* ...	0	3	6				Six Fathoms Hazle	2	3	0			
Nattrass Gill Hazle	5	0	0								50	3	6
Carried forward	37	2	0	6	4	0	Total...				57	1	6

This shaft is not sunk to random of level.

* Soft sandstone or shale.

No. 2,361.—ALLENDALE.

TOWNSHIP OF LOW FOREST, NORTHUMBERLAND.

Sheet 107 of Ordnance Map. Lat. 54° 51' 56", Long. 2° 14' 43".

Account of the Measures sunk through in the Holms Linn Shaft, Blackett Level.

Approximate surface-level 888 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate ...	4	4	9				Brought forward	4	4	0	7	4	9
<i>Little Limestone</i> ...	1	0	0				Low Coal Sill ...	0	5	0			
Sandstone ...	0	4	0				Plate ...	5	3	0			
Plate ...	1	1	0				<i>Limestone, Tumbler</i>						
COAL ...	0	1	0				<i>Bed</i> ...	1	0	6			
				7	4	9	Shale ...	3	1	0			
High Coal Sill ...	4	3	0				<i>Great Limestone</i> ...	7	3	0			
Plate, with coal ...	0	1	0								22	4	6
Carried forward	4	4	0	7	4	9	Total ...				30	3	3

No. 2,362.—ALLENDALE.

TOWNSHIP OF LOW FOREST, NORTHUMBERLAND.

Sheet 107 of Ordnance Map. Lat. 54° 50' 37", Long. 2° 14' 26".

Account of the Measures sunk through in the Sipton Shaft, Blackett Level.

Approximate surface-level 1,040 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	17	5	0				Brought forward	29	1	6	17	5	0
				17	5	0	<i>Three Yards Lime-</i>						
Quarry Hazle ...	5	0	0				<i>stone</i> ...	1	3	0			
Plate ...	6	0	6				Grey famp* ...	0	3	0			
<i>Four Fathoms Lime-</i>							Six Fathoms Hazle	2	2	0			
<i>stone</i> ...	3	3	0				Plate and grey beds	4	0	0			
Famp* ...	0	2	0				<i>Five Yards Lime-</i>						
Nattrass Gill Hazle	4	0	0				<i>stone, into...</i>	0	1	0			
Plate ...	10	2	0								37	4	6
Carried forward	29	1	6	17	5	0	Total ...				55	3	6

* Soft sandstone or shale.

No. 2,363.—ALLENDALE.

TOWNSHIP OF WHITFIELD, NORTHUMBERLAND.

Sheet 106 of Ordnance Map. Lat. $54^{\circ} 51' 43''$, Long. $2^{\circ} 21' 13''$.*Account of Strata sunk through at Longcleugh Mine.*

Approximate surface-level 900 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Shale ...	4	0	0				Brought forward				10	5	9
<i>Little Limestone</i> ...	1	0	6				Low Coal Sill ...	1	4	0			
Hazle ...	0	5	0				Shale ...	3	0	0			
Shale ...	1	3	6				<i>Limestone, Tumbler</i>						
COAL ...	0	1	0				<i>Bed</i> ...	1	4	0			
				7	4	0	Black shale ...	1	2	6			
High Coal Sill ...	1	5	0				<i>Great Limestone</i> ...	7	1	6			
Shale ...	1	1	6				Tuft ...	1	2	0			
COAL ...	0	1	3				Shale ...	2	2	6			
				3	1	9	Quarry Hazle, into...						
Carried forward											18	4	6
							Total ...				29	4	3

No. 2,364.—ALLENDALE.

TOWNSHIP OF WHITFIELD, NORTHUMBERLAND.

Sheet 101 of Ordnance Map. Lat.

Long.

Account of a Boring on Whitfield Moor, near to the Long Syke, by Messrs. John Watson & Partner, for the use of Mr. William Ord, June 14th, 1762.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss and clay ...	0	2	3				Brought forward	2	5	9	0	2	3
				0	2	3	Black stone ...	0	3	6			
Grey scamy post, with water ...	1	0	9				Grey and white post	1	3	0			
Grey metal stone, with post girdles	1	5	0								5	0	3
Carried forward	2	5	9	0	2	3	Total ...				5	2	6

No. 2,365.—ALLERDEAN.

TOWNSHIP OF ANCROFT, NORTHUMBERLAND.

Sheet 6 of Ordnance Map. Lat. $55^{\circ} 43' 7''$, Long. $2^{\circ} 2' 32''$.*Bore-hole put down on Allerdean Estate 80 yards East of the Berwick and Etal Turnpike, at a point about midway between the Miller's Bridge and Camp Houses.*

Approximate surface-level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface clay ...	2	2	0				Brought forward	0	2	6	2	2	0
				2	2	0	Blue metal and post girdles ...	1	3	0			
Grey post ...	0	2	6				Carried forward	1	5	6	2	2	0
Carried forward	0	2	6	2	2	0							

No. 2,365.—ALLERDEAN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	5	6	2	2	0	Brought forward	6	1	1	8	2	3
Dark metal and post girdles ...	1	0	6				Coal and stone mixed	0	0	8			
COAL ...	0	0	4				Blue metal ...	0	0	9			
				3	0	4	Grey post ...	0	1	6			
Blue metal and post girdles ...	0	3	8				Coal and black stone	0	0	8			
Grey post ...	0	1	6				Grey post ...	0	1	3			
Blue metal and post girdles ...	0	3	6				Blue metal ...	0	2	4			
Dark metal and post girdles ...	0	3	8				Limestone ...	0	1	0			
COAL ...	0	1	0				COAL ...	0	0	4			
				2	1	4					7	3	7
Grey metal ...	0	1	0				Fire-clay ...	0	0	6			
Grey post ...	0	1	4				Post, with metal partings ...	0	3	10			
Grey metal ...	0	1	0				Dark metal ...	0	6	6			
Black stone ...	0	0	5				Post girdle ...	0	0	6			
COAL ...	0	0	10				Blue metal ...	0	5	6			
				0	4	7	Post girdle ...	0	0	6			
Grey metal ...	0	0	5				Dark metal ...	0	1	10			
Black stone ...	0	0	5				COAL ...	0	1	9			
Whin ...	0	0	11								3	2	11
Grey metal ...	0	2	0				Limestone, hard ...	0	1	6			
Blue metal ...	1	4	0				Dark metal ...	0	1	0			
Post girdle ...	0	2	0				Blackhill Seam—						
Dark blue metal ...	0	3	0				COAL ...	Ft. In.					
Blue metal ...	0	5	0				Fire-clay ...	2	4				
Hard post ...	0	0	4				COAL ...	0	1½				
Blue metal ...	0	2	8					1	1½				
Hard grey post ...	0	4	4						0	3	7		
Soft grey post ...	0	1	0								1	0	1
Dark metal ...	0	5	0				Dark metal ...	0	1	8			
							Post girdle ...	0	0	5			
											0	2	1
Carried forward	6	1	1	8	2	3	Total ...				20	4	11

No. 2,366.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 34 N.W. of Ordnance Map. Lat.

Long.

Account of Measures sunk through in the Ayleburn Mine, South Tyne Valley.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hazle or Upper Coal							Brought forward	22	3	6			
Sill ...	2	1	0				Plate ...	5	0	0			
Plate ...	5	0	0				Hazle or hard dry slate ...	1	3	0			
Hazle or Whetstone							Plate ...	3	3	0			
Sill ...	1	3	0				Ironstone and coal	0	4	6			
Plate ...	2	0	0				Fire-stone ...	5	3	0			
Hazle ...	2	0	0				White tuft ...	1	5	0			
Plate ...	1	1	0				Plate ...	2	1	0			
Upper Slate Sill ...	4	0	0				Girdle beds ...	1	0	0			
Plate ...	1	1	6				Plate ...	2	1	0			
Lower Slate Sill ...	3	3	0										
Carried forward	22	3	6				Carried forward	46	0	0			

No. 2,366.—ALSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	46	0	0				Brought forward	3	4	6	55	4	8
Pattinson's Sill or							COAL ...	0	1	4			
Hazle ...	2	0	0								3	5	10
Plate ...	3	0	0				Low Coal Sill ...	1	3	0			
Second or Little							Plate ...	3	1	0			
Limestone ...	1	3	0				Limestone, Tumbler						
Plate ...	3	0	0				Bed and black bed	1	3	0			
COAL ...	0	1	8				Great Limestone ...	8	4	0			
				55	4	8	Tuft ...	1	3	0			
High Coal Sill ...	2	0	0				Plate ...	3	3	0			
Plate ...	1	4	6								19	5	0
Carried forward	3	4	6	55	4	8	Total ...				79	3	6

Galena is chiefly found in the Great Limestone.

No. 2,367.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 42 of Ordnance Map. Lat. about $54^{\circ} 46' 38''$, Long. about $2^{\circ} 22' 53''$.

Account of Strata sunk through at Bentyfield High Level Mine, South Tyne Valley.

Approximate surface-level 1,500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
High Slate Sill ...	3	0	0				Brought forward				39	1	3
Plate ...	0	3	0				Low Coal Sill ...	2	0	4			
Low Slate Sill ...	3	0	0				Plate ...	3	4	4			
Plate ...	2	3	0				Great Limestone ...	10	3	3			
Fiddler's Sill ...	0	2	0				Tuft ...	1	4	0			
Plate ...	6	0	0				Plate ...	3	2	0			
COAL ...	0	1	6				Quarry Hazle	4	3	4			
				15	3	6	Plate and till bed ...	6	0	0			
Ironstone ...	0	4	0				Four Fathoms Lime-						
Fire-stone ...	1	0	6				stone	4	0	0			
Plate ...	8	5	0				Nattrass Gill						
High Pattinson's							Hazle ...	5	2	6			
Sill ...	0	4	0				Plate ...	12	1	7			
Plate ...	3	3	0				Three Yards Lime-						
Low Pattinson's							stone	2	1	9			
Sill ...	1	0	0				Plate ...	0	4	9			
Plate ...	2	3	0				COAL ...	0	0	7			
Little Limestone ...	1	0	0								56	4	5
White hazle ...	0	3	6				Six Fathoms						
Plate ...	1	0	4				Hazle ...	4	0	0			
COAL ...	0	0	11				Plate ...	2	1	2			
				21	0	3	Five Yards Lime-				2	3	8
High Coal Sill ...	2	0	0				stone				4	0	3
Plate ...	0	3	1				Slaty hazle ...				12	5	1
COAL ...	0	0	5										
				2	3	6	Carried forward				39	1	3
Carried forward							Total ...				108	4	9

NOTE: The Low Level Shaft of this mine is situated in Whitesyke.

Galena is chiefly found in the Coal Sills and Great Limestone.

No. 2,368.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 34 S.E. of Ordnance Map. Lat. 54° 48' 2", Long. 2° 20' 12".

Account of Strata sunk through at Brownley Hill Mine, Nent Valley.

Approximate surface-level 1,600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Little Limestone</i> ...	1	0	0				Brought forward	7	3	0	8	0	0
<i>White hazle</i> ...	2	3	0				<i>Great Limestone</i> ...	8	4	0			
<i>Plate</i> ...	1	2	8				<i>Tuft</i> ...	1	3	0			
COAL ...	0	0	4				<i>Plate</i> ...	2	4	0			
				5	0	0	<i>Limestone Post</i> ...	0	1	3			
<i>High Coal Sill</i> ...	2	0	0				<i>Quarry Hazle</i> ...	5	0	0			
<i>Plate</i> ...	0	5	8				<i>Plate</i> ...	5	0	0			
COAL ...	0	0	4				<i>Till bed</i> ...	1	1	6			
				3	0	0	<i>Four Fathoms Lime-</i>						
<i>Low Coal Sill</i> ...	2	0	0				<i>stone</i> ...	4	0	0			
<i>Plate</i> ...	3	0	0								35	4	9
<i>Limestone, Tumbler</i>							Total ...				43	4	9
<i>Bed</i> ...	2	3	0										

Carried forward 7 3 0 8 0 0

Galena and blende are chiefly found in the Great Limestone.

No. 2,369.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 42 of Ordnance Map. Lat. 54° 46' 50", Long. 2° 21' 10".

Section of Strata sunk through in the Air Shaft, Dow Gang, Nent Valley.

Approximate surface-level 1,810 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Plate</i> ...	2	5	4				Brought forward	14	5	0	45	0	0
COAL ...	0	0	8				<i>Plate</i> ...	3	0	0			
				3	0	0	<i>Little Limestone</i> ...	2	0	0			
<i>Fell Top Limestone</i> ...	0	4	0				<i>White hazle</i> ...	1	0	0			
<i>Plate</i> ...	4	0	0				<i>Plate</i> ...	1	0	7			
<i>Hazle</i> ...	1	0	0				COAL ...	0	1	5			
<i>Plate</i> ...	2	0	0								22	1	0
<i>Hazle</i> ...	2	0	0				<i>High Coal Sill</i> ...	2	0	0			
<i>Plate</i> ...	1	2	0				<i>Plate</i> ...	1	0	11			
<i>Upper Slate Sill</i> ...	4	0	0				COAL ...	0	0	1			
<i>Plate</i> ...	1	1	0								3	1	0
<i>Lower Slate Sill</i> ...	4	0	0				<i>Low Coal Sill</i> ...	1	4	0			
<i>Plate</i> ...	3	5	0				<i>Plate</i> ...	3	0	0			
<i>Fiddler's Sill</i> ...	2	0	0				<i>Limestone, Tumbler</i>						
<i>Plate and hazle</i> ...	6	3	0				<i>Bed</i> ...	2	3	0			
<i>Hard post of iron</i> ...	0	3	0				<i>Great Limestone</i> ...	8	0	0			
<i>Plate and hazle</i> ...	7	0	0				<i>Tuft</i> ...	1	3	0			
<i>Ironstone</i> ...	1	0	0				<i>Plate</i> ...	3	3	0			
<i>Plate</i> ...	0	4	8				<i>Limestone Post</i> ...	0	1	6			
COAL ...	0	1	4				<i>Quarry Hazle</i> ...	5	0	0			
				42	0	0	<i>Plate</i> ...	5	3	0			
<i>Fire-stone</i> ...	2	1	0				<i>Till bed</i> ...	1	1	6			
<i>Plate</i> ...	12	2	0				<i>Four Fathoms Lime-</i>						
<i>Pattinson's Sill</i> ...	0	2	0				<i>stone</i> ...	4	0	0			
											36	1	0
Carried forward	14	5	0	45	0	0	Total ...				106	3	0

Galena is chiefly found in the Great Limestone.

No. 2,370.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 34 of Ordnance Map. Lat. about $54^{\circ} 47' 40''$, Long. $2^{\circ} 22' 30''$.

Account of Strata sunk through at Galligill Syke Lead-mine, Nent Valley West.
 Approximate surface-level 1,400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Fell Top Limestone</i>	1	0	0				Brought forward	16	0	6	38	2	0
Hazle, called Upper							Pattinson's Sill or						
Coal Sill ...	3	0	0				Hazle ...	1	1	0			
Plate ...	6	0	0				Plate ...	2	2	6			
Hazle, called Whet-							<i>Little Limestone</i> ...	1	2	0			
stone Sill ...	3	0	0				Hazle ...	0	4	0			
Plate ...	4	0	0				Plate ...	1	5	6			
Hazle ...	4	0	0				COAL ...	0	1	6			
Plate ...	2	4	0								23	5	0
Hazle, called Upper							Hazle, called High						
Slate Sill ...	3	0	0				Coal Sill ...	2	1	0			
Plate ...	2	2	0				Plate ...	1	2	6			
Hazle, called Lower							COAL ...	0	0	6			
Slate Sill ...	3	0	0								3	4	0
Plate ...	2	5	0				Hazle, called Low						
Hazle, called iron-							Coal Sill ...	1	0	0			
stone ...	2	1	0				Plate ...	4	0	0			
Plate ...	1	0	6				<i>Limestone, Tumbler</i>						
COAL ...	0	1	6				<i>Bed</i> ...	2	3	0			
				38	2	0	<i>Great Limestone</i> ...	8	0	0			
Hazle, called fire-							Hazle, called tuft ...	1	1	0			
stone ...	5	1	0				Plate ...	3	1	0			
Plate ...	6	5	0				Quarry Hazle ...	3	1	0			
Girdle bed ...	2	3	0				Plate ...	5	0	0			
Plate ...	1	3	6				<i>Four Fathoms Lime-</i>						
							<i>stone</i> ...	4	2	0			
Carried forward	16	0	6	38	2	0					32	2	0
							Total ...				98	1	0

No. 2,371.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 34 of Ordnance Map. Lat. $54^{\circ} 47' 58''$, Long. $2^{\circ} 19' 55''$.

Section of New Shaft sunk from the Horse-level at Guddamgill Mine,
Nenthead, 1903.

Approximate surface-level 1,730 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Quarry Hazle*	1	1	0				Brought forward	26	4	6			
Plate ...	5	1	0				Plate ...	1	4	0			
Till bed ...	0	4	0				Six Fathoms Hazle	6	0	0			
<i>Four Fathoms Lime-</i>							Plate ...	1	0	0			
<i>stone</i> ...	3	4	0				<i>Five Yards Lime-</i>						
Plate ...	0	0	6				<i>stone</i> ...	2	2	0			
Nattrass Gill Hazle	2	4	0								37	4	6
Eleven Fathoms Plate	11	1	0										
<i>Three Yards Lime-</i>													
<i>stone</i> ...	2	1	0										
Carried forward	26	4	6				Total ...				37	4	6

* This part of the Quarry Hazle lies under the Horse-level.

No. 2,372.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 34 of Ordnance Map. Lat. about 54° 48' 30", Long. about 2° 21' 28".

Account of Strata of the High Raise and other Veins in the Nent Valley.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
High Slate Sill ...	4	0	0				Brought forward				48	1	6
Plate ...	1	1	6				Low Coal Sill ...	1	4	0			
Low Slate Sill ...	3	3	0				Plate ...	3	0	0			
Plate ...	5	0	0				<i>Great Limestone</i> ...	10	3	0			
Hazle or hard dry							Tuft or Water Sill...	1	3	0			
slate ...	1	3	0				Plate ...	3	3	0			
Plate ...	3	3	0				<i>Small Limestone</i> ...	0	1	6			
Ironstone and coal	0	4	6				Quarry Hazle ...	5	0	0			
				19	3	0	Plate ...	5	3	0			
Fire-stone ...	5	3	0				Till bed ...	1	1	6			
Plate ...	4	0	0				<i>Four Fathoms Lime-</i>						
White tuft ...	1	5	0				stone ...	4	0	0			
Plate ...	2	1	0				Nattrass Gill Hazle	3	0	0			
Girdle bed ...	1	0	0				Plate ...	11	0	0			
Plate ...	2	1	0				<i>Three Yards Lime-</i>						
Pattinson's Sill	2	0	0				stone ...	1	3	0			
Plate ...	3	0	0				Six Fathoms Hazle	6	0	0			
<i>Little Limestone</i>	1	3	6				Plate ...	1	4	6			
Plate ...	3	0	0				<i>Five Yards Lime-</i>						
COAL ...	0	1	6				stone ...	2	3	0			
				26	3	0	Slaty hazle ...	2	0	0			
High Coal Sill ...	2	0	0				Plate ...	3	0	0			
Plate and coal ...	0	1	6				<i>Scar Limestone</i> ...	5	0	0			
				2	1	6					71	5	6
Carried forward				48	1	6	Total ...				120	1	0

No. 2,373.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 34 of Ordnance Map. Lat. 54° 48' 32", Long. 2° 21' 47".

Account of Strata sunk through on the High Raise Vein, East End, near the Guddamgill, Nent Valley.

Approximate surface-level 1,760 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate ...	2	0	0				Brought forward	9	3	0	25	1	6
Hazle ...	2	0	0				White tuft ...	1	5	0			
Plate ...	1	4	6				Plate ...	2	1	0			
Upper Slate Sill	4	0	0				Girdle bed ...	1	0	0			
Plate ...	1	1	6				Plate ...	2	1	0			
Lower Slate Sill	3	3	0				Pattinson's Sill	2	0	0			
Plate ...	5	0	0				Plate ...	3	0	0			
Hard dry slate ...	1	3	0				<i>Little Limestone</i>	1	3	0			
Plate ...	3	3	0				White hazle ...	1	1	0			
Ironstone and coal...	0	4	6				Plate ...	2	0	4			
				25	1	6	COAL ...	0	0	10			
Fire-stone ...	5	3	0								26	3	2
Plate ...	4	0	0				Carried forward				51	4	8
Carried forward	9	3	0	25	1	6							

No. 2,373.—ALSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				51	4	8	Brought forward	20	1	0	55	1	2
High Coal Sill ...	2	0	0				Limestone Post ...	0	1	6			
Plate ...	1	2	2				Quarry Hazle ...	5	0	0			
COAL ...	0	0	4				Plate ...	5	3	0			
				3	2	6	Till bed ...	1	1	0			
Low Coal Sill ...	1	4	0				Four Fathoms Lime-						
Plate ...	3	0	0				stone ...	4	0	0			
Great Limestone ...	10	3	0				Nattrass Gill Hazle	3	0	0			
Tuft ...	1	3	0								39	0	6
Plate ...	3	3	0										
Carried forward	20	1	0	55	1	2	Total ...				94	1	8

Galena is found in the strata from the Slate Sills to the bottom of the tuft, and blende in the Great Limestone and underlaying strata.

No. 2,374.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 34 of Ordnance Map. Lat. about $54^{\circ} 48' 16''$, Long. about $2^{\circ} 23' 4''$.

Account of Strata sunk through at Hudgill Burn, near Nent Hall, Nent Valley.

Approximate surface-level 1,300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hazle, called the							Brought forward	16	4	0	26	3	0
fire-stone ...	3	1	0				Plate bed ...	3	0	0			
Plate bed ...	6	0	0				Limestone Post ...	0	2	0			
White tuft ...	1	5	0				Plate bed ...	0	4	0			
Plate ...	2	1	0				Quarry Hazle ...	3	0	0			
Girdle bed ...	1	0	0				Plate bed ...	3	4	0			
Plate ...	2	1	0				Girdle or till bed ...	2	1	0			
Pattinson's Sill or							Four Fathoms Lime-						
Hazle ...	1	4	0				stone ...	3	5	6			
Plate bed ...	4	1	0				Plate and grey beds	1	2	2			
Little Limestone ...	1	0	0				Nattrass Gill Hazle	2	2	3			
White hazle ...	0	1	0				Plate bed ...	9	0	0			
Plate bed ...	3	0	0				Three Yards Lime-						
COAL ...	0	1	0				stone ...	2	2	0			
				26	3	0	Six Fathoms Hazle	7	5	0			
High Coal Sill ...	1	0	0				Plate bed ...	0	3	1			
Plate bed ...	2	0	0				Five Yards Lime-						
Low Coal Sill ...	0	5	0				stone ...	1	0	6			
Plate bed ...	2	4	0				Slaty hazle ...	2	0	9			
Limestone, Tumbler							Plate bed ...	2	1	2			
Bed ...	2	0	0				Scar Limestone ...	6	0	0			
Great Limestone ...	5	0	0				Plate ...	1	0	0			
Clay bed ...	1	0	0								69	1	5
Hazle, called the													
Tuft Sill ...	2	1	0										
Carried forward	16	4	0	26	3	0	Total ...				95	4	5

Very rich in galena, with carbonates and oxides of lead in the strata from the fire-stone to the Quarry Hazle.

No. 2,375.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 42 of Ordnance Map. Lat. 54° 47' 9", Long. 2° 20' 12".

Section of Strata at Rampgill Mine, Nenthead, adjoining Coalcleugh.
 Approximate surface-level 1,450 feet above sea (Ordnance datum).
 Left off sinking February, 1903.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Fell Top Limestone</i> ...	0	4	6				Brought forward	27	3	0	35	0	6
Hazle ...	2	0	0				Plate ...	1	0	0			
Plate ...	5	0	0				Low Coal Sill	2	0	0			
Hazle ...	1	3	0				Plate ...	4	2	0			
Plate ...	2	0	0				<i>Great Limestone</i>	10	3	0			
Hazle ...	2	0	0				Tuft ...	1	4	6*			
Plate ...	1	1	0				Plate ...	2	5	0			
High Slate Sill	4	0	0				<i>Limestone Post</i>	0	1	3			
Plate ...	1	1	6				Quarry Hazle	5	0	0			
Low Slate Sill	3	3	0				Plate ...	5	3	0			
Plate ...	3	4	0				Till bed	0	4	0			
Fiddler's Sill	2	3	0				<i>Four Fathoms Lime-</i>						
Plate ...	5	0	0				stone	3	4	0			
Ironstone and coal...	0	4	6	35	0	6	Plate ...	0	2	0			
Fire-stone ...	5	0	0				Nattrass Gill Hazle	3	2	0			
Girdle beds ...	11	0	0				Eleven Fathoms Plate	11	0	0			
Pattinson's Sill	2	0	0				<i>Three Yards Lime-</i>						
Plate ...	4	0	0				stone	1	4	4			
<i>Little Limestone</i>	1	0	0				Six Fathoms Hazle	3	3	0			
White hazle ...	0	5	0				Plate ...	4	0	0			
Plate ...	1	3	0				<i>Five Yards Limestone</i>	2	0	0			
High Coal Sill	2	1	0				Slaty hazle ...	5	0	0			
											95	5	1
Carried forward	27	3	0	35	0	6	Total				130	5	7

* The Horse-level is just under the chirstone in the tuft.

NOTE: The Rampgill vein has been worked up to the boundary between Coalcleugh, in Allendale, and Nenthead.

No. 2,376.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 41 of Ordnance Map. Lat. about 54° 46' 25", Long. about 2° 28' 24".

Account of Strata sunk through at Rotherhope Fell Mine, South Tyne Valley.
 Approximate surface-level 1,250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hazle ...	1	4	0				Brought forward	21	3	6			
Plate ...	1	1	0				Ironstone and coal...	0	4	6			
Upper Slate Sill	4	0	0				Fire-stone ...	5	3	0			
Plate ...	1	1	6				Plate ...	4	0	0			
Lower Slate Sill	3	3	0				White hazle...	1	2	0			
Plate ...	5	0	0				Plate ...	2	1	0			
Hazle or hard slate	1	3	0				Girdle beds...	1	0	0			
Plate ...	3	3	0				Plate ...	2	1	0			
Carried forward	21	3	6				Carried forward	38	3	0			

No. 2,376.—ALSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	38	3	0				Brought forward	64	5	2	50	4	8
Pattinson's Sill	...	2	0	0			Plate and grey beds	...	1	4	0		
Plate	3	0	0			Hazle	...	0	2	6		
Little Limestone	...	1	3	0			Cockle-shell Limestone	...	0	2	0		
Plate	3	0	0			Plate and grey beds	...	0	2	6		
COAL	...	0	1	2			Single Post Limestone	...	1	3	0		
				48	1	2	Plate ...	...	1	0	0		
High Coal Sill	...	0	5	0			Hazle	...	1	5	0		
Plate	1	4	0			Alternating strata...	...	3	3	0		
COAL	...	0	0	6			Plate ...	...	1	3	0		
				2	3	6	Hazle	...	0	3	6		
Low Coal Sill	...	0	5	2			Plate ...	...	0	1	0		
Plate	1	1	0			Hazle	...	0	3	0		
Great Limestone	...	7	1	0			Plate ...	...	0	1	0		
Tuft or Water Sill...	...	3	0	0			Hazle	...	0	3	0		
Plate	3	2	6			Plate ...	...	0	1	0		
Limestone Post	...	0	2	0			Hazle	...	0	3	0		
Quarry Hazle	...	5	0	0			Plate ...	...	0	1	0		
Plate	5	2	0			Hazle	...	0	2	6		
Till bed	...	1	2	0			Plate ...	...	0	4	0		
Four Fathoms Limestone	...	4	0	0			Hazle	...	0	0	8		
Natgrass Gill Hazle	...	2	5	0			Plate ...	...	0	0	6		
Plate	5	3	0			Hazle	...	0	0	8		
Three Yards Limestone	...	1	3	0			Plate ...	...	0	2	0		
Six Fathoms Hazle	...	6	4	0			Grey beds	...	0	2	0		
Plate	1	4	0			Plate ...	...	0	4	6		
Five Yards Limestone	...	2	3	0			Tyne-bottom Limestone	...	3	1	0		
Slaty hazle	...	2	1	0			Whetstone Bed	...	0	3	3		
Plate	3	0	0			Whin Sill	...	32	0	0		
Scar Limestone	...	5	0	0			Pencil bed	...	0	2	0		
Plate	0	2	6							117	5	9
Hazle	...	2	0	0									
Carried forward	64	5	2	50	4	8	Total ...	...	168	4	5		

No. 2,377.—ALSTON.

TOWNSHIP OF ALSTON COMMON, CUMBERLAND.

Sheet 42 S.W. of Ordnance Map. Lat. about 54° 44', Long. about 2° 22'.

General Section of Strata at Tynehead, as proved by the Old Shafts of the Lead-mines, Tynehead.

Approximate surface-level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Hazle*	1	2	0			Brought forward					12	4	0
Plate	3	2	0			Low Coal Sill	...	1	2	0			
<i>Little Limestone</i>	1	2	0			Plate ...	...	3	0	0			
Plate	3	1	0			<i>Great Limestone</i>	...	10	2	0			
COAL	0	2	0			Tuft ...	...	1	2	0			
						9	3	0	Plate ...	...	4	0	0		
High Coal Sill	1	3	0			<i>Limestone Post</i>	...	0	3	6			
Plate	1	2	0			Quarry Hazle	...	5	0	0			
COAL	0	2	0			Plate ...	...	5	2	0			
						3	1	0	Till bed	...	1	2	0		
Carried forward						12	4	0	Carried forward	32	1	6	12	4	0

No. 2,377.—ALSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	32	1	6	12	4	0		Brought forward	23	5	0	77	0	0
<i>Four Fathoms Lime-</i>								<i>Whin Sill*</i> ...	19	4	0			
<i>stone</i> ...	4	0	0					Plate† ...	1	3	0			
Nattrass Gill Hazle	3	0	0					Hazle ...	1	3	0			
Plate ...	3	4	0					Plate ...	1	4	0			
<i>Three Yards Lime-</i>								Hazle ...	2	1	0			
<i>stone</i> ...	1	5	0					Plate ...	0	5	0			
Six Fathoms Hazle	5	5	0					Hazle ...	2	4	0			
Plate ...	1	4	0					Plate ...	1	2	0			
<i>Five Yards Limestone</i>	1	2	0					<i>Jew Limestone</i> †	3	4	0			
Slaty hazle ...	1	4	0					Plate† ...	1	2	0			
Plate ...	3	2	0					Slate ...	2	2	0			
<i>Scar Limestone</i>	5	0	0					Plate ...	1	0	0			
Plate ...	0	4	0					<i>Little Limestone</i>	2	4	0			
COAL ...	0	0	6					Plate and grey beds	2	2	0			
				64	2	0		Hazle ...	8	0	0			
Plate ...	1	0	0					Plate ...	4	0	0			
Copper Hazle	2	0	0					<i>Smiddy Limestone</i> ...	5	0	0			
Plate ...	2	0	0					Hazle ...	2	1	0			
Hazle ...	0	2	0					<i>Limestone</i> ...	4	0	0			
<i>Cockle-shell Lime-</i>								Plate ...	1	2	0			
<i>stone</i> ...	0	3	0					Hazle ...	2	0	0			
Plate ...	1	2	0					Plate ...	0	5	0			
<i>Single Post Lime-</i>								<i>Robinson's Lime-</i>						
<i>stone</i> ...	1	2	0					<i>stone</i> ...	3	4	0			
Plate ...	1	0	0					Hazle ...	1	2	0			
Grey stone ...	0	4	0					Plate ...	0	4	0			
Tyne-bottom Plate...	9	2	0					<i>Melmerby Scar Lime-</i>						
<i>Tyne-bottom Lime-</i>								<i>stone, ‡ into</i> ...	22	3	0			
<i>stone</i> ...	3	4	0									124	0	0
Whetstone ...	0	4	0											
Carried forward	23	5	0	77	0	0		Total ...	...	201	0	0		

* to * Tynehead Section. † to † Tees-side Section. ‡ to ‡ Blencairn Section.

No. 2,378.—ALSTON.

TOWNSHIP OF OUSBY FELL, CUMBERLAND.

Sheet 41 of Ordnance Map. Lat. about 54° 44' 40", Long. about 2° 30' 27".

Section of Strata at Smittergill Head and Fox Fold, North-west of Cashwell,
South Tyne Valley.

Approximate surface-level 1,500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Whin Sill</i> ...	16	4	0					Brought forward	50	0	9			
Hazle and plate	8	5	9					Hazle ...	14	1	0			
Plate ...	1	0	3					Plate ...	6	4	0			
Hazle ...	3	4	6					<i>Smiddy Limestone</i> ...	5	5	3			
Plate ...	2	4	0					Hazle ...	3	2	9			
<i>Jew Limestone</i> ...	5	3	9					<i>Limestone</i> ...	4	3	6			
Plate ...	5	1	6					Hazle and plate ...	4	1	0			
<i>Little Limestone</i>	5	0	0					<i>Robinson's Limestone</i>	3	2	0			
Grey bed ...	1	1	0					Hazle ...	1	5	0			
Carried forward	50	0	9					Carried forward	94	1	3			

No. 2,378.—ALSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	94	1	3				Brought forward	186	4	9			
Melmerby Scar Lime- stone ...	30	5	0				COAL ...	0	0	7	186	5	4
Hazle and plate ...	5	5	0				Hazle and plate ...	30	0	0			
Limestone ...	2	5	0				Freestone ...	7	0	6			
Hazle ...	25	2	0				Girdle bed ...	2	0	0			
Hazle and plate ...	13	0	0				Limestone ...	5	0	0			
Limestone ...	0	5	0				Freestone ...	43	0	6			
Hazle ...	2	0	6				Plate ...	21	2	9	108	3	9
Plate ...	11	5	0										
Carried forward	186	4	9				Total ...	295	3	1			

No. 2,379.—ASHINGTON.

TOWNSHIP OF BOTHAL, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 11' 3", Long. 1° 35' 50".

Strata sunk and bored through at the Carl Pit, Ashington Colliery, below the Yard Coal Seam.—Continuation of No. 21.

Approximate surface-level 113 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Depth from surface to Yard Coal Seam				51	4	6	Brought forward				80	0	4	
Seggar-clay ...	0	1	0				Grey metal ...	0	1	4				
White post ...	6	5	0				Grey post ...	1	3	9				
Blue metal parting	0	0	6				Whin girdle ...	0	0	7				
White post ...	0	5	0				Grey post ...	1	3	0				
Whin ...	0	3	0				Mussel bed ...	0	0	2				
White post ...	0	4	6				Grey metal ...	0	2	8				
Whin ...	0	1	8				Mussel bed ...	0	0	3				
White post ...	6	1	1				COAL ...	0	0	2	3	5	11	
Blue metal ...	0	0	6				Grey post ...	3	0	2				
White post ...	0	3	0				White post girdle...	0	0	9				
Blue metal ...	0	0	3				Grey metal ...	0	3	2				
White post ...	0	2	2				Low Moir Seam—							
Blue metal ...	0	0	2											
White post, mixed with whin	5	5	0				COAL ...	0	4½					
Bensham Seam—							Band ...	0	5½					
COAL ...	0	2	4	22	5	2	COAL ...	4	1½					
Black band ...	0	0	8				Band ...	0	4½					
Seggar ...	0	1	0				COAL ...	1	2½					
Grey post ...	4	2	4						1	0	6	4	4	7
Grey metal ...	0	1	2				Grey metal stone ...	1	5	0				
Five-Quarter Seam—							Grey post ...	4	1	0				
COAL ...	1	11½					COAL, good ...	0	0	9	6	0	9	
Band ...	0	4½					Dark metal ...	0	0	3				
COAL ...	1	2					Grey metal ...	0	0	6				
				0	3	6	Grey metal stone ...	1	1	6				
							Grey post ...	0	4	0				
							Grey metal stone ...	0	3	0				
Carried forward				80	0	4	Carried forward	2	3	3	94	5	7	

No. 2,379.—ASHINGTON.—CONTINUED.

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		2	3	3	94	5	7
Dark metal and girdles ...	...	1	5	0			
<i>Messey Seam—</i>							
COAL ...	...	0	2	5			
					4	4	8
Dark metal and coal	...	0	0	8			
Grey metal stone ...	...	0	5	6			
Grey post ...	...	2	1	0			
Hard white post ...	...	0	5	0			
Grey post ...	...	2	1	0			
Grey metal stone ...	...	0	4	0			
COAL, good, rather tender ...	...	0	2	0			
					7	1	2
Grey metal ...	...	0	2	0			
Grey metal stone ...	...	0	4	6			
Grey post ...	...	1	2	0			
Whin ...	...	0	2	0			
Grey post ...	...	0	4	0			
Grey metal stone ...	...	0	4	0			
Dark metal and girdles ...	...	2	3	6			
Grey metal stone ...	...	1	4	0			
COAL ...	...	0	0	6			
					8	2	6
Grey post ...	...	1	0	6			
Grey metal stone ...	...	0	3	0			
Dark metal ...	...	0	2	9			
COAL ...	...	0	0	5			
					2	0	8
Grey metal ...	...	0	0	9			
Grey post ...	...	5	4	6			
<i>Beaumont Seam—</i>							
COAL ...	...	0	2	2			
					6	1	5
Black metal...	...	0	0	3			
Grey metal ...	...	0	1	6			
Grey metal stone ...	...	1	1	9			
COAL ...	...	0	0	4			
					1	3	10
Grey metal stone ...	...	0	1	3			
Grey post ...	...	2	0	6			
Dark metal ...	...	0	0	7			
COAL ...	...	0	0	6			
					2	2	10
Grey metal ...	...	0	1	4			
Grey metal stone ...	...	0	3	0			
Grey post ...	...	0	2	6			
Dark metal stone ...	...	0	1	10			
Dark metal and coal	...	0	0	9			
Dark metal stone ...	...	2	2	3			
Carried forward		3	5	8	127	4	8

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		3	5	8	127	4	8
COAL ...	Ft. In.	1	1				
Dark metal ...	...	0	4				
COAL and metal, tender	...	0	4				
COAL ...	...	0	7				
Dark metal ...	...	0	3				
COAL ...	...	0	7				
					0	3	2
Grey metal ...	...	0	1	9			
Grey post ...	...	0	2	0			
Grey metal stone ...	...	1	5	3			
Dark metal stone ...	...	0	2	0			
Grey post ...	...	2	0	10			
Grey metal stone ...	...	1	3	6			
Whin ...	...	0	0	9			
Grey post ...	...	0	2	0			
Grey metal stone ...	...	1	0	0			
Grey post ...	...	1	2	3			
Grey metal stone ...	...	1	0	0			
COAL ...	...	0	0	3			
					10	2	7
Grey post ...	...	4	0	0			
COAL ...	...	0	1	6			
					4	1	6
Grey metal stone ...	...	2	2	3			
Grey post ...	...	0	3	6			
Dark metal ...	...	0	4	3			
	Ft. In.						
COAL, coarse and tender	...	2	3				
Black metal...	...	0	6				
COAL ...	...	0	7				
					0	3	4
					4	1	4
Grey metal ...	...	0	0	9			
Grey post ...	...	1	1	6			
Whin ...	...	0	0	6			
Grey post ...	...	0	2	6			
Grey metal stone ...	...	3	5	3			
Grey post ...	...	6	5	3			
Dark metal stone ...	...	1	4	6			
Grey metal stone ...	...	0	5	6			
Dark metal stone ...	...	1	3	0			
Grey post ...	...	2	4	9			
Whin ...	...	0	1	7			
Grey post ...	...	1	3	5			
Dark metal stone ...	...	0	2	4			
<i>Brockwell Seam—</i>							
COAL ...	...	0	2	1			
					22	0	11
Grey metal, into	...	0	3	0			
					0	3	0
Total ...					173	4	10

No. 2,380.—AXWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 57' 8''$, Long. $1^{\circ} 40' 0''$.*Strata bored through at Swalwell, near the Garden House, July 12th, 1874.*

Approximate surface-level 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and black sand							Brought forward				8	5	7
gravel	2	0	0				Grey metal	0	0	3			
Hard gravel, with							Black metal, scarred						
water	0	1	0				with coal	0	0	6			
Brown ramble	0	2	0				White post	1	1	6			
				2	3	0	Grey metal, with						
Blue metal	1	0	0				girdles	1	1	0			
Brown and white							COAL	0	0	6			
post	2	2	0								2	3	9
Grey metal, with							Grey metal, with						
girdles	0	5	9				girdles	1	5	3			
COAL	0	4	6				Thready whin	0	0	9			
				5	0	3					2	0	0
Grey metal	0	2	3										
White post	0	2	0										
COAL													
Grey metal													
COAL													
				0	4	1							
Carried forward				8	5	7	Total				13	3	4

No. 2,381.—AXWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 57' 0''$, Long. $1^{\circ} 41' 25''$.*Strata sunk through in the Engine Pit, Axwell Park and Whickham Royalty, 1839.*

Approximate surface-level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	0	3	0				Brought forward	8	0	9	9	1	3
Soil and clay	8	3	0				Strong coarse yellow						
				9	0	0	post, in which the						
Black slate	0	0	3				water took off to						
COAL , thick on one							65 gallons per						
side of pit and							minute	1	1	3			
runs out	0	1	0				COAL , varying						
				0	1	3	from 2 feet 3						
Fire-clay	1	1	0				inches to 2 feet 7						
Strong brown post...	0	2	3				inches in shaft ...	0	2	4			
Blue and brown											9	4	4
metal, mixed with							Fire-clay	0	3	6			
post	1	1	3				Blue metal stone ...	0	1	7			
Open brown and							COAL	0	0	6			
grey gulletty post,											0	5	7
with water, which							Grey metal stone and						
increased to up-							post girdles	0	2	10			
wards of 80 gal-											0	2	10
lons per minute ...	5	2	3										
Carried forward	8	0	9	9	1	3	Total sunk (carried forward)	20	2	0			

No. 2,381.—AXWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				20	2	0	Brought forward	10	4	6	59	4	0
Bored further:—							White post, with						
Grey metal and post	1	5	2				blue scamy part-						
White post, with							ings	1	0	3			
much water	2	0	10				Dark grey post	0	5	8			
Grey post, with blue							White post	0	2	5			
partings	0	3	3				Blue metal stone	0	0	6			
White post	0	3	0				Hard brown post	0	0	8			
White post, with							Whin	0	1	5			
scamy partings	0	4	1				White post	0	2	2			
Blue metal	0	3	2				Post, with blue						
Grey metal	0	4	5				partings	0	0	8			
White post	6	4	4				Hard post girdles	0	0	4			
Grey metal, mixed							Post, with blue						
with post	0	5	1				partings	0	1	8			
Grey metal	0	2	2				Blue stone	0	1	1			
White post	0	4	9				COAL	0	0	6			
Blue metal, with											14	3	10
water	0	0	9				Blue stone	0	3	3			
White post, with							White post, with blue						
partings and water	5	2	4				partings	0	2	2			
Grey metal	0	0	7				Grey post, with						
COAL	0	1	4				hard girdles	1	5	9			
				21	3	3	Blue stone	0	0	4			
Fire-clay	0	0	7				Dark post, with						
Blue metal stone	1	5	9				water	1	2	0			
Metal stone and							White post	0	2	11			
white post	0	3	11				Blue stone	1	4	11			
Grey post	0	1	6				Grey metal, mixed						
Brown bastard whin	0	1	4				with post	0	2	9			
White post, with blue							Blue stone	0	3	5			
metal partings and							Grey metal	1	0	5			
water	0	5	0				Grey metal, mixed						
Blue metal stone	0	0	6				with post	0	4	1			
Grey metal, mixed							Grey metal	0	1	9			
with post	1	0	2				Blue metal	0	3	6			
Blue metal	1	3	1				Blue metal, mixed						
White post, with							with post	0	5	10			
blue partings	0	5	2				Blue stone	0	5	3			
COAL	0	1	0				Grey metal	1	5	3			
				7	4	0	Blue stone	1	3	8			
Grey metal	0	0	10				White post	1	0	6			
White post	7	3	4				Blue stone	0	0	11			
White post, with							Dark post	1	3	0			
partings	0	5	10				White post, with						
White post	0	5	7				blue partings	7	3	11			
Blue metal stone	0	2	7				Blue stone	1	4	9			
COAL	0	0	7				Post, with blue part-						
				10	0	9	ings and water	3	0	9			
Grey metal	0	2	4				Blue stone	0	2	8			
Grey metal, with							Grey metal	0	2	6			
ironstone girdles	0	1	2				White post	0	0	5			
White post	1	0	3				Grey metal, with						
Blue metal stone	2	2	0				ironstone girdles	0	2	4			
Bastard whin	1	0	0				White post	1	0	9			
Grey metal stone	0	2	6				Blue stone	0	5	0			
Bastard whin	0	2	7				Grey metal	0	2	6			
Grey and white post	0	2	5				White post and blue						
Grey metal stone	1	1	5				partings, into	0	1	5			
Blue metal stone	0	4	11								34	4	8
Grey metal stone	2	2	11										
Carried forward	10	4	6	59	4	0	Total	...	...	109	0	6	

No. 2,382.—AXWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 57' 0", Long. 1° 41' 0".

Axwell Park and Swabwell Bore-hole, near Mr. Lockey's Farm.

Approximate surface-level 161 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	4	3	0			
Gravel and soil ...	0	2	0				Sand	0	1	6			
Clay	0	5	0								4	4	6
Gravel and sand ...	2	3	6				Brown post ...	1	3	6			
Grey metal	0	3	6								1	3	6
Carried forward	4	3	0				Total				6	2	0

No. 2,383.—AXWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 57' 0", Long. 1° 41' 3".

Axwell Park, Second Bore-hole, 5 yards East of Mr. Lockey's Bore-hole.

Approximate surface-level 161 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward				13	5	7
Brown clay	0	5	0				Dark grey metal ...	1	2	3			
Sand and gravel ...	1	0	0				Dark metal	0	1	0			
Whinstone tumbler	0	1	10				White post and coal	0	0	2			
Loamy sand and							Blue and light grey						
gravel	0	4	0				metal	1	2	0			
Blue metal	0	3	8				Dark metal	0	0	10			
Sand and gravel ...	0	1	4				Grey post	0	1	10			
				3	5	4	White post	0	2	10			
Blue metal	1	0	5				Brown post and						
Brown post girdles	0	0	8				water	0	3	0			
Blue metal	0	3	4				White post	1	1	6			
Brown metal	0	3	3				Rotten brown post	0	3	0			
White and brown							White post	1	3	3			
post	5	4	3				Blue metal	0	0	4			
<i>Five Quarter Seam—</i>							<i>Brockwell Seam—</i>						
COAL, foul	Ft.	In.					COAL, foul	0	6				
COAL	3	1					Grey metal	0	8				
			0	4	5		COAL	2	5				
				8	4	4				0	3	7	
Dark grey metal ...	0	0	10								8	1	7
COAL	0	0	4				Grey metal, with post						
				0	1	2	girdles	1	3	3			
Grey metal	0	2	6				Dark grey metal ...	0	1	2			
Grey metal, with							COAL	0	0	9			
coal	0	1	5								1	5	2
Blue metal	0	1	0				Grey metal	1	3	2			
<i>Three-Quarter Seam—</i>							White post	1	4	11			
COAL	0	1	10				Strong whin	0	0	10			
				1	0	9	White post	1	4	5			
Carried forward				13	5	7	Carried forward	5	1	4	24	0	4

No. 2,383.—AXWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	4	24	0	4	Brought forward	34	1	5	31	2	1
Bastard whin ...	1	0	1				Whin ...	0	0	6			
Strong white post ...	0	0	10				White post and whin						
Dark metal and post	0	4	0				girdles ...	0	0	11			
COAL ...	0	1	6				Dark metal ...	0	1	11			
				7	1	9	COAL ...	0	0	6			
Grey metal stone ...	5	1	5								34	5	3
Grey post ...	0	1	0				Grey metal stone ...	0	1	0			
White post ...	3	1	6				Whin girdle...	0	1	6			
Whin girdle...	0	1	0				Grey metal stone ...	0	1	2			
Strong white post ...	6	1	1				Strong whin...	1	5	0			
Bastard whin ...	2	5	3				Strong post and						
Strong white post ...	0	4	0				whin girdles ...	0	1	2			
Grey metal stone ...	2	5	8				Grey metal and iron						
White post, with dark							post girdles ...	1	5	0			
sears ...	1	5	8				Dark metal stone ...	0	5	0			
Grey metal stone ...	0	1	6				COAL ...	0	0	9			
Grey metal stone											5	2	7
and post girdles...	0	1	0				Grey metal stone						
White post and whin							and whin girdles	1	0	1			
girdles ...	10	2	4								1	0	1
Carried forward	34	1	5	31	2	1	Total ...				72	4	0

No. 2,384.—AXWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 30", Long. 1° 41' 45".

Strata sunk through in No. 2 Pit, Axwell Colliery, 1873.

Approximate surface-level 290 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				10	0	3
Soil and gravel ...	1	2	0				Coarse seggar ...	0	2	7			
Gravelly clay ...	1	3	0				Thill shale ...	0	2	9			
				3	0	0	Yellow and grey						
Freestone post, mixed							freestone ...	2	4	0			
with clay ...	3	0	0				<i>Tunnel, Splint or</i>						
Yellow and white							<i>Hodge Seam—</i>						
freestone ...	1	0	0										
White post ...	0	3	0				Ft. In.						
Blue shale ...	0	3	6				COAL , can-						
Grey metal ...	0	2	6				nel ...	1	8				
<i>Towneley Main Seam—</i>							Brown band	1	1				
COAL ...	2	5					COAL ...	0	7				
Band ...	0	4½					Seggar-clay	2	1				
COAL ...	1	4½					COAL ...	0	3				
				0	4	2					0	5	8
				6	1	2					4	3	0
Seggar-clay ...							Coarse seggar-clay...	0	2	2			
<i>Tilley Seam—</i>							Blue metal thill ...	0	4	6			
COAL ...	0	1					White freestone post	1	0	9			
Seggar-clay ...	0	6					White girdle	0	1	0			
COAL ...	0	6					Grey leafy post	0	4	0			
				0	1	1	Grey metal ...	0	4	3			
				0	5	1	Grey freestone	0	3	9			
							Blue metal and post						
Carried forward				10	0	3	girdles ...	0	3	0			
							Dark blue metal	0	1	6			
							Carried forward	5	0	11	14	3	3

No. 2,384.—AXWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	0	11	14	3	3	Brought forward	1	3	7	23	1	3½
<i>Stone Coal or Upper</i>							<i>Three-Quarter Seam—</i>						
<i>Busty Seam—</i>													
	Ft.	In.						Ft.	In.				
COAL ...	2	0					COAL ...	1	6				
Blue band ...	0	1½					Band ...	0	1				
COAL ...	0	4½					COAL ...	0	7				
			0	2	6				0	2	2		
						5 3 5						1	5 9
Seggar-clay ...	0	2	3				Seggar-clay ...	0	1	6			
Coarse clay ...	0	2	9				COAL ...	0	0	2			
Blue metal, with											0	1	8
iron girdles ...	1	4	0				Coarse seggar-clay...	0	2	2			
Black shale ...	0	0	1				Black metal...	0	1	0			
<i>Five-Quarter or Lower</i>							White post ...	0	5	0			
<i>Busty Seam—</i>							Blue post ...	0	1	0			
	Ft.	In.					Yellow and white						
COAL ...	0	11					coarse post ...	2	4	8			
Band ...	0	1½					Coarse white post ...	1	1	0			
COAL ...	2	6					Yellow and white						
			0	3	6½		post ...	2	2	0			
						3 0 7½	Soft blue metal ...	0	0	6			
Coal and blue metal							Mild white post, with						
mixed ...	0	1	3				blue partings ...	1	2	6			
Grey metal ...	0	1	2				Strong white post ...	1	0	0			
Coarse seggar, with							<i>Brockwell Seam—</i>						
ironstone balls ...	0	3	9				COAL ...	0	3	0			
Black metal...	0	2	6								10	4	10
Dark shale ...	0	0	11										
Carried forward	1	3	7	23	1	3½	Total ...				36	1	6½

No. 2,385.—AXWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 52", Long. 1° 41' 48".

Account of Boring near Svalwell Dam, January 2nd, 1752.

Approximate surface-level 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	0	4	0				Brought forward	0	1	6	4	5	6
Strong clay ...	0	4	0				Brown and grey						
Sand and gravelly							scalmy metal ...	1	4	0			
stones, with water	0	3	0				Brown and grey						
Sand and broken post,							scalmy post, with						
mixed with clay ...	1	0	0				water ...	6	4	0			
				2	5	0	Grey and white post	1	2	0			
Soft rotten brown							Blue and grey metal	0	1	6			
post, with metal							Grey post girdle ...	0	0	3			
partings ...	0	4	0				COAL ...	0	0	3			
Soft grey metal ...	1	1	0								10	1	6
Black metal, mixed							Grey metal ...	0	2	6			
with coal ...	0	1	0				Grey and white post,						
COAL ...	0	0	6				with scalmy partings						
				2	0	6	and much						
Grey metal ...	0	1	0				water ...	1	3	0			
Soft black metal ...	0	0	6				White and grey post	0	3	0			
Carried forward	0	1	6	4	5	6	Carried forward	2	2	6	15	1	0

No. 2,385.—AXWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	6	15	1	0	Brought forward	1	3	6	18	2	6
White post, with water ...	0	3	0				Grey and white post, with metal partings and water ...	1	3	0			
Blue metal ...	0	1	0				Grey and black metal, with post girdles ...	1	3	0			
COAL ...	0	1	0				Strong white and grey post ...	0	5	0			
				3	1	6	Grey metal, into	1	1	9			
Grey metal ...	0	2	6								6	4	3
Blue and grey metal stone, with water	1	1	0				Total ...				25	0	9
Carried forward	1	3	6	18	2	6							

No. 2,386.—AXWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. Long.

Account of Boring near Sealdell, about 250 yards East-south-east from Grinding Mill.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown gravel	0	3	0				Brought forward				10	2	6
Soft swelling brown clay ...	1	0	0				Grey metal stone ...	1	3	0			
Sand and gravelly clay, with water ...	1	0	0				COAL ..	0	0	6			
Stony clay ...	2	3	0								1	3	6
				5	0	0	Grey metal ...	2	0	0			
Grey metal ...	0	3	0				White and grey post, with metal partings and much water ...	5	0	0			
Grey metal stone, with post girdles and water ...	0	5	0				Black and grey metal stone ...	0	1	10			
Brown and grey post, with scaly partings and water ...	2	5	6				COAL ...	0	0	8			
Blue and grey metal	0	4	6								7	2	6
COAL ...	0	2	6				Soft grey metal ...	0	3	0			
				5	2	6	Grey post, with scaly partings and water, into ...	1	1	0			
Carried forward				10	2	6					1	4	0
							Total ...				21	0	6

No. 2,387.—AXWELL.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 57' 48", Long. 1° 42' 18".

Strata bored through at the South-east corner of Axwell Park, near the Wagonway, where a copious Fender of Sulphur and Water was raised. This Hole was set in about 15 fathoms below the Crop of the Brockwell Seam.

Approximate surface-level 45 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	1	0			
Stony brown clay ...	0	3	0				Brown ramble ...	0	3	0			
Gravel ...	0	3	0								1	4	0
Carried forward	1	1	0				Carried forward				1	4	0

No. 2,387.—AXWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
				1	4	0								
Brought forward							Brought forward		17	1	0	12	1	8
Brown post, with							Strong white post,							
eashy partings ...	1	0	0				with whin ...	2	2	0				
Parting, with water	0	1	0				Grey stone, with							
Brown post, eashy							water ...	1	1	0				
partings and water	4	4	0				Soft white post,							
Black and grey metal	0	3	0				with water ...	0	5	0				
Black stone ...	0	1	6				Grey stone ...	2	0	0				
Soft metal, with coal	0	0	6				Black and grey metal	0	1	6				
Grey stone, with							COAL , foul	0	0	4				
water ...	0	4	0								23	4	10	
Grey girdles, with							Grey stone ...	0	0	7				
open partings and							Whin girdles ...	0	1	5				
water ...	0	3	4				Grey stone ...	0	3	8				
Black and grey metal	0	1	0				White post, with							
Grey stone ...	0	4	0				black scares ...	0	3	6				
Blue stone ...	0	4	0				White and brown							
White post girdles,							post ...	0	3	0				
with water ...	0	0	7				Grey post ...	0	3	0				
Blue metal ...	0	1	9				Black and grey stone	0	4	10				
White post, with							Blue metal ...	0	4	6				
water ...	0	2	4				Whin girdle ...	0	0	4				
Blue stone ...	0	2	0				Black metal...	0	0	9				
COAL ...	0	0	8				Post girdles, with							
				10	3	8	metal partings ...	0	2	11				
Soft grey thill ...	0	0	3				White and brown							
Grey stone ...	0	3	0				post, with sulphur	0	2	6				
Grey post, with							Grey stone ...	0	1	6				
water and part-							Strong white post ...	0	5	4				
ings ...	2	3	0				Grey stone, with							
White post ...	1	1	4				water ...	0	5	0				
A rife parting, with							Blue metal ...	0	2	0				
water ...	0	2	0				Strong white post ...	1	0	0				
White post, with							Grey stone ...	0	1	0				
gulletty partings							Strong blue stone ...	0	4	0				
and water...	1	2	2				Grey stone girdles...	1	3	0				
Blue metal ...	0	2	6				Blue and grey metal	1	1	9				
Grey stone ...	0	5	6				Grey stone, with							
White post, with							water ...	0	2	0				
water ...	1	0	4				Strong whin ...	0	1	0				
Grey stone, with							White and grey post	0	5	4				
water ...	1	3	0				Grey stone ...	1	0	7				
White post, with							Strong white post,							
water at the part-							with water ...	0	4	3				
ings ...	5	0	0				Grey stone ...	0	5	0				
Whin ...	0	1	3				Whin girdle ...	0	0	4				
White post, with							White metal ...	1	0	0				
open partings and							Strong white post...	0	4	6				
water ...	1	1	6				Grey stone, with							
Whin ...	0	0	6				water ...	1	1	6				
Strong white post,							White post ...	0	2	0				
with whin ...	0	2	0				Strong whin, into	0	1	6				
Whin ...	0	2	8								19	4	7	
Carried forward	17	1	0	12	1	8	Total ...				55	5	1	

No. 2,388.—BACKWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				218	1	0	Brought forward				225	1	8
White post ...	0	2	9				Fire-clay ...	0	5	9			
Leafy post ...	0	5	4				Blue metal ...	1	2	3			
Blue metal ...	2	4	0										
COAL ...	0	2	4				COAL						
				4	2	5	Band						
Fire-clay ...	0	4	8				COAL						
Black stone ...	0	0	3				Band						
Fire-clay ...	0	5	7				COAL						
White post ...	0	3	11				Band						
Blue metal ...	0	0	10				COAL						
COAL ...	0	1	0										
				2	4	3	Fire-clay ...						
Carried forward				225	1	8							
							Total ...				229	1	3

No. 2,389.—BARNARD CASTLE.

TOWNSHIP OF MARWOOD, DURHAM.

Sheet 47 of Ordnance Map. Lat. $54^{\circ} 35' 48''$, Long. $1^{\circ} 53' 33''$.

Account of Bore-hole put down by Mr. William Teasdale, at Langleydale, North Eastern Railway Company's Viaduct, on Bankside, a few yards South of Langley Beck and West of Viaduct, near Barnard Castle.

Approximate surface-level 670 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	6	3	4				Brought forward	8	3	0			
Grey post ...	0	3	0				Limestone ...	0	1	3			
Blue metal ...	1	2	8								8	4	3
Carried forward	8	3	0				Total ...				8	4	3

No. 2,390.—BARNARD CASTLE.

TOWNSHIPS OF STREATLAM AND STANTON, DURHAM.

Sheet 46 of Ordnance Map. Lat. $54^{\circ} 33' 48\frac{1}{2}''$, Long. $1^{\circ} 54' 55\frac{2}{3}''$.

Account of Bore-hole put down by Mr. William Teasdale, at Quarry Grange, near Barnard Castle, about $7\frac{1}{2}$ chains North-west of Dent Gate Lane and $9\frac{3}{4}$ chains South-west of Railway Crossing.

Approximate surface-level 595 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder clay ...	0	3	6				Brought forward	6	5	9	0	3	6
				0	3	6	Grey stone ...				0	0	4
Blue metal ...	2	2	4				Blue metal ...				7	2	2
Grey stone ...	0	0	2				Grey stone ...				0	0	9
Blue metal ...	0	3	0				White post ...				0	2	5
Grey stone ...	0	0	1				Light grey post ...				1	2	2
Blue metal ...	1	2	11				Millstone grit, into				0	0	3
Grey stone ...	0	0	3								16	1	10
Blue metal ...	2	3	0										
Carried forward	6	5	9	0	3	6	Total ...				16	5	4

No. 2,391.—BARRINGTON.

TOWNSHIP OF WEST SLEEKURN, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 21", Long. 1° 34' 33".

Account of Strata sunk through in the Hammah Pit at Barrington Colliery, commenced August 22nd, 1854.

Approximate surface-level 79 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	9	1	1	23	2	9
Strong clay	10	4	0				COAL , slaty	0	1	0			
Strong clay, with boulders	1	0	0								9	2	1
Clay, mixed with sand and gravel...	0	3	5				Black thill	0	1	0			
Blue clay with stones	4	0	7				Grey metal	0	2	0			
Sand and gravel, with a sipping of water	1	5	9								0	3	0
Blue clay	1	1	6				Bored further (begun Mar. 9th, 1855):—						
				19	4	3	COAL	0	0	7			
Broken yellow free-stone	0	3	0								0	0	7
Very soft blue metal, dark and strong near the bottom	3	0	9				Thill and coal, mixed	0	1	3			
COAL , with water	0	0	9				Thill	0	1	1			
				3	4	6	Black stone and coal	0	1	8			
Thill-stone	0	1	6				White post, with 150 gallons of water						
Strong post	0	2	0				per minute	1	3	4			
Blue metal	0	1	5				Black stone	0	0	9			
Strong white post, making 1,270 gallons per hour ...	0	3	5				Black stone, with coal	0	0	4			
Blue metal	0	2	6				Mild grey post	0	2	6			
Grey post	0	5	1				Strong blue metal...	0	3	4			
Whin girdle	0	0	11				Post girdle	0	0	6			
Blue metal	1	2	0				Blue metal	0	0	4			
Black stone...	0	2	0				Strong white post ...	0	1	5			
Strong blue metal...	0	1	2				Light mild grey post	1	0	6			
Bastard whin	0	0	5				Blue metal	0	0	11			
Blue metal	0	2	6				Black stone...	0	0	6			
Post girdle	0	0	4				Blue metal	0	0	3			
Strong blue metal ...	0	1	1				Grey post	2	0	2			
Strong grey metal...	0	0	5				Whin girdle	0	1	0			
Strong black stone...	0	0	3				Strong white post girdle ...	0	0	5			
Soft blue metal, with ironstone bands...	0	3	11				Blue metal	0	1	5			
Grey metal	0	1	6				Grey metal	0	0	10			
Blue metal and ironstone balls	0	3	2				Blue metal	0	1	10			
Blue stone, with cockle shells ...	0	2	4				Grey post	0	5	2			
Soft blue stone	1	5	2				Blue metal	0	1	0			
							Black stone...	0	0	8			
Carried forward	9	1	1	23	2	9	Blue metal	1	5	6			
							<i>High Main Seam—</i>						
							COAL , top	1	3	4			
							Stone	0	2	4			
							COAL , bottom	5	5	1			
											12	1	7
							Total				45	4	0

No. 2,392.—BEADNELL.

TOWNSHIP OF BEADNELL, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat. $55^{\circ} 33' 41\frac{1}{2}''$, Long. $1^{\circ} 38' 1\frac{1}{2}''$.*Boring at Beadnell, near to the Lime-kiln, on the Links between Beadnell and Annstead, February, 1862.*

Approximate surface-level 25 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Limestone</i> ...	0	5	0				Brought forward	1	1	10	2	0	11
COAL ...	0	0	4				Black metal ...	0	0	3			
				0	5	4	Freestone ...	0	0	8			
<i>Metal</i> ...	1	1	0				Black metal... ..	0	0	3			
COAL ...	0	0	7				Freestone bands ...	0	1	3			
				1	1	7	Metal parting ...	0	0	6			
Black beddy metal... ..	0	2	6				Freestone ...	0	2	0			
Blue metal ...	0	0	6				Metal ...	0	0	8			
Beddy freestone beds ...	0	0	10				Freestone ...	0	2	9			
Metal... ..	0	0	3				Metal... ..	0	0	9			
Freestone ...	0	0	6				Freestone, very hard	0	2	6			
Metal... ..	0	0	3				Metal ...	0	0	7			
Freestone ...	0	0	6				Freestone band ...	0	1	9			
Metal... ..	0	0	2				Metal... ..	0	0	6			
Freestone ...	0	0	10				Freestone ...	0	2	9			
Metal... ..	0	0	3				Parting ...	0	0	5			
Freestone ...	0	0	5				Freestone post ...	0	5	1			
Metal... ..	0	0	2								5	0	6
Freestone bands ...	0	0	8										
Carried forward	1	1	10	2	0	11	Total ...				7	1	5

No. 2,393.—BEAMISH.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. $54^{\circ} 53' 29''$, Long. $1^{\circ} 39' 9''$.*Account of Strata bored through in No. 1 Hole, from the Surface on the Beamish Royalty, near the Wood in Corner of 17 acre Field and about $\frac{1}{2}$ mile North-east of Pockerley Farm, for Messrs. James Joicey & Co., Ltd., commenced August 27th, 1894.*

Approximate surface-level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dark loamy soil, with freestone ...	0	2	4				Brought forward	14	0	4			
Brown soil, with freestone boulders	1	2	2				Coal, drift, with free-	0	3	5			
Loamy sand, with water at 12 feet...	1	5	9				stone ...						
Coal, drift ...	0	0	4				Boulder clay, with						
Running sand, with water ...	1	1	11				freestone ...	11	3	11			
Boulder clay ...	5	0	10								26	1	8
Sand, with coal ...	0	1	0				Grey shale ...	0	1	6			
Boulder clay ...	3	4	0				Black metal, with						
Carried forward	14	0	4				coal pipes ...	0	4	8			
							Fire-clay ...	0	3	0			
							Light grey shale ...	2	3	10			
							Open space or gullet	0	0	3			
							Carried forward	4	1	3	26	1	8

No. 2,393.—BEAMISH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	4	1	3	26	1	8	Brought forward	5	2	6	62	5	8	
Strong grey metal, with post girdle...	2	4	2				COAL, hard coarse	0	0	9		5	3	3
Strong grey post, with metal part- ings ...	2	5	8				Grey metal ...	0	0	9				
Mild grey post ...	0	3	2				COAL ...	0	0	1		0	0	10
Hard grey post ...	3	0	8				Dark grey metal, with scars of coal	0	2	7				
Grey shale ...	0	4	4				Grey post, with shale partings ...	1	3	4				
Very hard grey post, with girdles and water ...	5	5	0				White post ...	0	1	2				
Ironstone girdle ...	0	1	2				Black shale ...	0	1	0				
Hard grey post ...	1	4	0				Dark grey shale ...	2	2	10				
Grey post ...	2	2	7				Black metal...	0	0	6				
Black metal...	0	2	7				COAL ...	0	0	3		4	5	8
COAL ...	0	0	6				Black metal...	0	1	5				
				24	5	1	Dark grey metal ...	0	1	9				
Grey metal, with ironstone balls ...	4	2	1				COAL, coarse, with thin black bands near top ...	1	7					
COAL, hard, mixed with stone ...	0	0	10				COAL ...	1	1					
				4	2	11	Metal ...	0	3					
Dark grey shale ...	0	0	11				COAL ...	0	5					
Dark grey post ...	0	3	0				Metal ...	1	3					
Grey shale, with post girdles ...	4	4	6				COAL, coarse	0	8			0	5	3
White post ...	1	5	0									1	2	5
COAL and stone mixed ...	0	0	7				Grey shale, with ironstone girdles, into ...	1	1	0				
				7	2	0						1	1	0
Grey metal ...	1	0	6											
White post ...	3	2	0											
Grey shale ...	1	0	0											
Carried forward	5	2	6	62	5	8	Total					76	0	10

No. 2,394.—BEAMISH.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53' 26", Long. 1° 40' 39".

*Account of Strata bored through from the Surface in No. 2 Hole on the Beamish
Royalty, near Beamish Burn, for Messrs. James Joicey & Co., Ltd.,
commenced March 8th, 1895.*

Approximate surface-level 385 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and gravel ...	0	1	6				Brought forward	18	2	0				
Gravel and water ...	2	5	6				Grey post ...	0	0	7				
Boulder clay ...	1	3	0				Boulder clay ...	2	3	2		20	5	9
Running sand, with water ...	2	3	0				White post ...	1	0	6				
Boulder clay ...	11	1	0				Freestone ...	6	2	7				
Carried forward	18	2	0				Carried forward	7	3	1	20	5	9	

No. 2,394.—BEAMISH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	3	1	20	5	9	Brought forward	2	2	0	39	1	6
COAL and stone, with water and a little gas ...	0	0	2				Grey post ...	2	2	3			
				7	3	3	Light grey shale ...	0	2	4			
Freestone ...	0	4	0				White post ...	2	2	8			
Light grey shale, with post part- ings ...	4	3	3				COAL ...	0	0	3			
Dark grey shale ...	0	3	6								7	3	6
COAL ...	0	0	5				Dark grey shale, with <i>coal pipes</i> ...	0	0	9			
				5	5	2	Black metal, with <i>coal pipes</i> ...	0	0	9			
Light grey shale ...	0	5	1				Light grey metal ...	0	3	3			
Light grey post, with ironstone girdles...	1	0	3				White post ...	2	5	2			
Light grey metal ...	2	4	2				COAL ...	0	0	4			
											3	4	3
COAL ...	0	2					Light grey metal ...	0	4	6			
Grey metal ...	0	3					Dark grey shale ...	0	4	4			
COAL ...	1	5					COAL ...	0	1	5			
											1	4	3
				4	5	4	Seggar-clay ...	0	2	6			
Black stone, with threads of <i>coal</i> ...	0	0	9				Light grey shale ...	0	5	6			
Seggar-clay ...	0	4	9				White post ...	2	5	6			
Strong light grey shale ...	1	2	6				COAL ...	0	0	9			
											4	2	3
Carried forward	2	2	0	39	1	6	Dark grey shale ...	0	0	5			
							Light grey shale ...	0	0	5			
							Post, into ...	0	3	4			
											0	4	2
							Total ...	57	1	11			

No. 2,395.—BEAMISH.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 35", Long. 1° 40' 22".

Section of Strata sunk through in Mary Pit, Beamish Colliery.

Approximate surface-level 490 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	3	0	9				Brought forward	8	4	4	10	4	6
				3	0	9	<i>Shield Row Seam—</i>						
Soft blue metal, with iron girdles	2	2	0				COAL , top	1	6				
COAL , dirty ...	0	2	3				Seggar band	2	4				
				2	4	3	COAL , bot- tom ...	4	10				
Soft grey metal, with post girdles and water ...	2	0	0						1	2	8		
Soft blue metal ...	2	5	2								10	1	0
COAL ...	0	0	4				Seggar-clay ...	0	4	2			
				4	5	6	Blue metal ...	0	3	6			
Leafy post ...	2	5	0				COAL ...	0	0	4			
Post ...	5	5	4								1	2	0
Carried forward	8	4	4	10	4	6	Strong grey post, with whin balls ...	1	1	9			
							Carried forward	1	1	9	22	1	6

No. 2,395.—BEAMISH.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
COAL ...	0	0	6	1	2	3	Blue metal, with	0	5	6	79	2	2
Strong grey metal...	1	1	6				iron girdles ...	2	0	6			
Grey metal ...	1	1	0				Strong leafy post ...	2	2	0			
COAL ...	0	0	7	2	3	1	Strong post ...	8	0	0			
Seggar-clay ...	0	2	0				Strong leafy post,						
Strong grey metal...	5	1	8				with iron girdles	4	0	0			
<i>Five-Quarter Seam—</i>							Blue metal ...	3	3	0			
COAL ...	0	4	6	6	2	2	COAL ...	0	0	5	20	5	5
Seggar-clay ...	0	3	0				Seggar-clay ...	0	3	6			
Grey metal ...	0	4	0				Grey metal ...	1	3	6			
Post girdles...	0	1	10				COAL ...	0	0	9	2	1	9
Grey metal, with							Seggar-clay ...	0	4	0			
post girdles ...	1	4	4				Grey metal ...	2	2	6			
Whin girdles ...	0	2	0				<i>Harvey Seam—</i>						
Blue metal ...	1	0	0				COAL ...	0	1	3	3	1	9
Whin panel ...	0	3	1				Seggar-clay ...	0	3	6			
Grey metal ...	2	0	0				Leafy post ...	3	2	0			
Blue metal ...	1	3	9				Blue metal ...	0	2	6			
<i>Brass Thill Seam—</i>							<i>Tilley or Constantine</i>						
COAL ...	0	4	8	9	2	8	<i>Seam—</i>						
Seggar-clay ...	0	2	1				COAL ...	0	1	8	4	3	8
Leafy post ...	2	4	9				Seggar-clay ...	0	4	4			
Strong grey metal,							Post ...	1	3	0			
with post girdles	4	1	6				COAL ...	0	0	2	2	1	6
Strong white post ...	4	1	0				Seggar-clay ...	0	4	0			
Grey metal ...	1	1	0				Grey metal and						
Strong post ...	6	4	0				leafy post ...	2	5	0			
Strong grey metal...	2	5	0				White leafy post ..	4	0	0			
Strong grey metal,							<i>Busty Seam—</i>						
mixed with whin	3	5	0										
Blue metal ...	0	4	6				COAL , top	2	3				
Post ...	0	4	6				Band ...	0	5				
<i>Maudlin Seam—</i>							COAL , bot-						
COAL ...	0	2	4	27	5	8	tom ...	2	0	0	4	8	
Seggar-clay ...	0	2	0								8	1	8
Leafy post ...	1	2	0				Seggar-clay ...	0	4	6			
Blue metal ...	1	2	0				Seggar-clay, with						
<i>Low Main Seam—</i>							iron girdles ...	0	3	0			
COAL ...	0	4	6	3	4	6	Blue metal ...	2	2	0			
Seggar-clay ...	0	1	0				Black metal...	0	5	2			
Strong post panel...	0	3	6				Strong grey post,						
Blue metal ...	0	1	0				mixed with whin	4	2	8			
Post, with whin ...	0	2	8				<i>Three-Quarter Seam—</i>						
Grey metal ...	1	2	0				COAL ...	0	1	5	9	0	9
Strong post ...	0	3	0				Seggar-clay ...	0	2	0			
Leafy post ...	1	0	0				Grey metal ...	0	5	9			
Post ...	0	2	6				Strong white post ...	3	5	0			
Blue metal ...	0	2	6				Post girdles and						
<i>Hutton Seam—</i>							grey metal ...	0	5	0			
COAL ...	0	4	2	5	4	4	Blue metal ...	0	0	10			
Seggar-clay ...	0	5	6										
Carried forward	0	5	6	79	2	2	Carried forward	6	0	7	130	0	8

No. 2,395.—BEAMISH. (CONTINUED.)

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	0	7	130	0	8	Brought forward	1	0	3	137	2	10
<i>Brockwell Seam—</i>							COAL ...	0	0	2			
COAL ...		Ft.	In.								1	0	5
... 2		3					Black band ...	0	0	6			
Band ...		3	3				COAL ...	0	0	6			
COAL ...		2	1								0	1	0
		—		1	1	7	Grey metal ...	1	4	0			
						7	2	2			1	4	0
Seggar-clay ...				0	3	0							
Seggar-clay, mixed													
with iron ...				0	3	3							
Carried forward	1	0	3	137	2	10	Total ...				140	2	3

No. 2,396.—BEARPARK.

TOWNSHIP OF ELVET, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 47' 3", Long. 1° 37' 23".

Strata sunk through in the 16 feet Pit at Bearpark-Brancepath Colliery.—
Continuation of No. 79.

Approximate surface-level 336 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward	3	1	4½	76	4	11½
to <i>Busty Seam</i> ...				66	4	8	<i>Brockwell Seam—</i>						
Seggar-clay ...	0	3	0				COAL ...		Ft.	In.			
Grey metal and post							... 0	4					
girdles ...	3	0	9				Band ...	0	2				
White post ...	2	3	3				COAL ...	0	3				
Blue metal ...	2	3	0				Band ...	0	9½				
							COAL ...	0	7				
COAL , splint	0	8					Band ...	0	0½				
COAL ...	1	2					COAL ...	0	6½				
		—		0	1	10	Band ...	0	0¼				
						8	5	10	COAL ...	0	11½		
Seggar-clay ...	0	2	10						0	3	8¼		
Whin girdle ...	0	0	6								3	5	0¾
Seggar-clay ...	0	2	5				Seggar-clay ..	0	1	6			
COAL ...	0	0	8½				Grey post ...	2	1	2			
				1	0	5½	Post and whin	0	4	0			
Seggar-clay ...	0	2	6				Grey metal ...	0	5	0			
Grey post ...	0	2	6				COAL ...	0	0	4			
Grey metal and post											4	0	0
girdles ...	2	2	4½				Grey metal, into	0	2	0			
											0	2	0
Carried forward	3	1	4½	76	4	11½	Total ...				85	0	0¼

No. 2,397.—BEBSIDE.

TOWNSHIP OF COWPEN, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 7' 32", Long. 1° 33' 29".

Section of Strata sunk through at Bebside Colliery from the Plessey to the Harvey Seam.—Continuation of Nos. 87 and 88.

Approximate surface-level 93 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from Surface to Plessey Seam ...				106	5	1	Brought forward	9	0	0	110	2	3
Grey metal ...	0	1	8				COAL ...	0	0	10			
Post ...	3	0	0								9	0	10
COAL ...	0	1	6				Blue stone ...	6	0	0			
				3	3	2	Harvey Seam—						
Blue stone ...	3	1	0				COAL ...	0	2	1			
Grey post ...	3	0	0								6	2	1
Blue stone ...	1	2	0				Post ...	5	3	0			
Post ...	1	3	0								5	3	0
Carried forward	9	0	0	110	2	3	Total ...				131	2	2

No. 2,398.—BEECHBURN.

TOWNSHIP OF NEWTON CAP (DETACHED NO. 8), DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Account of Strata bored through from a Scaffold at Low Beechburn Colliery, Crook. Commenced May 12th, 1898.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
To scaffold ...	2	0	6				Brought forward	9	0	11			
Grey post ...	0	4	2										
Grey post, very hard	0	2	0				COAL ...	0	5				
Grey post ...	1	3	7				Band ...	0	14				
Grey shale ...	0	5	7				COAL ...	0	6½				
Strong dark seggar	1	5	1								0	1	1
Blue shale ...	0	5	8										
Post ...	0	1	6				Dark seggar	0	0	9			
Dark blue shale ...	0	2	10				Post, with shale partings	0	4	4			
											0	5	1
Carried forward	9	0	11				Total ...				10	1	1

No. 2,399.—BEECHBURN.

TOWNSHIP OF NEWTON CAP (DETACHED NO. 8), DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 42' 25", Long. 1° 45' 32".

Account of Strata bored through in a Field near Beechburn Colliery. Commenced May 28th, 1898.

Approximate surface-level 550 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	10				Brought forward				6	0	9
Stony clay ...	5	5	11				Grey shale, with post girdles	3	1	8			
				6	0	9							
Carried forward				6	0	9	Carried forward	3	1	8	6	0	9

No. 2,399.—BEECHBURN.—CONTINUED.

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward		3	1	8	6	0	9	Brought forward		11	2	2	18	2	11		
<i>Main Coal Seam—</i>								<i>Strong dark seggar,</i>									
	Ft.	In.						with	ironstone								
COAL	...	1	6						balls	...	0	5	0				
Band	...	0	6						White post	...	2	2	0				
COAL	...	0	1						Blue shale	...	0	2	4				
Band	...	0	8						<i>Marshall Green Seam—</i>								
COAL	...	2	3						Black stone, mixed								
Band	...	0	2						with coal	...	0	1	1				
COAL	...	1	0														
		1		0	2								15		0	7	
						4	1	10									
Very dark seggar,								Seggar		...	0	0	10				
mixed with coal		...	0	1	4						White post	...	0	0	11		
Seggar		...	0	1	7						Grey post	...	1	1	6		
Grey shale		...	0	4	6						Dark blue shale	...	0	4	6		
Hard grey post		...	2	2	6						Grey post (water						
Grey shale, with											went away	36					
iron girdles		...	0	3	9						fathoms, 3 feet, 6						
Grey post		...	0	0	6						inches)	...	1	2	0		
Blue shale, with											Blue shale	...	0	2	9		
iron girdles		...	1	4	7						Hard grey post	...	0	4	0		
Dark seggar, with											Grey whin	...	0	1	8		
iron girdles		...	0	5	6						Grey post	...	0	3	6		
Light seggar		...	0	5	0						Blue shale	...	5	5	6		
<i>Victoria Seam—</i>											Dark blue shale,						
COAL	...	0	1	1						with	ironstone						
						8	0	4			balls	...	2	3	4		
Strong seggar		...	0	4	4						Grey shale	...	0	1	4		
Grey post		...	8	0	7						Hard grey post	...	0	2	7		
Hard grey shale		...	0	3	0						Dark blue shale	...	1	1	6		
Hard grey post		...	1	1	3						Dark grey post	...	0	5	10		
Light seggar		...	0	5	0						Dark blue shale	...	0	4	2		
											Dark grey shale	...	0	2	6		
													18		0	5	
Carried forward		11	2	2	18	2	11			Total		...	51	3	11		

No. 2,400.—BEECHBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	4	6	5	3	6	Brought forward	1	3	1	15	2	2
Grey shale, with							White post ...	0	3	6			
post girdles ...	1	1	6				Blue shale ...	0	5	6			
Seggar ...	0	3	9				COAL ...	0	1	1			
<i>Victoria Seam</i> —											3	1	2
COAL ...	0	0	11				Dark grey shale,						
				9	4	8	with thin post						
Grey shale ...	0	3	1				girdles ...	1	2	8			
Strong grey post ...	1	0	0								1	2	8
Carried forward	1	3	1	15	2	2	Total ...				20	0	0

No. 2,401.—BEECHBURN.

TOWNSHIP OF NEWTON CAP (DETACHED NO. 8), DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 42' 28", Long. 1° 44' 48".

*Account of Strata bored through in No. 2 Hole, in Timber Yard, in front of Drift,
Low Beechburn Colliery, Crook. Commenced December 22nd, 1899.*

Approximate surface-level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	0	4	6				Brought forward	2	4	0			
Yellow clay ...	0	3	0				Stony clay ...	2	1	0			
Hard stony clay ...	0	1	6				Loamy sand, with						
Stony clay and free-							clay partings ...	0	4	6			
stone boulders ...	0	5	0				Hard stony clay ...	0	3	6			
Grey shale ...	0	1	6								6	1	0
Loamy sand ...	0	0	6				Total ...				6	1	0
Carried forward	2	4	0										

No. 2,402.—BEECHBURN.

TOWNSHIP OF NEWTON CAP (DETACHED NO. 8), DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 27", Long. 1° 43' 50".

*Account of Strata bored through in No. 3 Hole at Jobs Hill Farm, Crook, for the
Owners of Low Beechburn Colliery. Commenced December 28th, 1899.*

Approximate surface-level 615 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brot. forward	3	2	4	1	9	1
Yellow clay ...	1	1	6				COAL , coarse	0	8				
				1	2	6	COAL ...	0	7				
Grey shale ...	1	3	6								0	4	5
Blue shale ...	2	4	3								5	0	2
<i>Hutton or Collin Seam</i> —							Seggar ...	0	1	7			
COAL ...	1	6					Grey shale, with						
Band ...	0	2					post girdles ...	1	4	0			
COAL ...	0	8					Dark grey shale ...	0	3	0			
Hard shale ...	0	3					Black shale ...	0	1	6			
Black stone							Seggar ...	0	4	0			
and coal... 0 7							Grey shale and post						
							girdles ...	0	2	0			
Car. forward	3	2	4	1	9	1					3	4	1
							Total ...				10	0	9

No. 2,403.—BEECHBURN.

TOWNSHIP OF NEWTON CAP (DETACHED NO. 8), DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 42' 27", Long. 1° 43' 53".

*Account of Strata bored through in No. 4 Hole, about 30 yards North-west
of No. 3 Hole, for the Owners of Low Beechburn Colliery.
Commenced January 18th, 1900.*

Approximate surface-level 615 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	2	6				Brought forward	10	2	6	20	4	6
Stony clay ...	0	4	6				Grey shale, with						
Sand and gravel,							coal pipes ...	0	1	0			
with water ...	0	1	0				Grey post, with						
Stony clay ...	0	5	6				metal partings ...	0	2	6			
COAL ...	0	0	9				Strong white post,						
				2	2	3	with grey part-						
Grey shale ...	0	1	3				ings ...	1	1	6			
Stony clay ...	2	2	6				Blue shale ...	0	3	6			
Loamy sand, with							Black stone ...	0	0	8			
clay partings ...	0	2	6				<i>Marshall Green Seam—</i>						
Hard boulders ...	0	4	6				Ft. In.						
Hard stony clay ...	1	0	0				Black stone						
Grey shale ...	4	4	6				and coal... 0 5						
<i>Main Coal Seam—</i>							COAL ... 0 6						
Old workings ...	1	2	6				Black stone,						
				10	5	9	with threads						
Grey shale ...	1	0	0				of coal ... 0 4						
White post ...	2	0	0				COAL ... 0 4						
Grey post, with shale								0	1	7			
partings ...	1	5	0								13	1	3
Blue shale ...	0	5	6				Seggar ...	0	1	8			
Black shale ...	0	1	6				White post, with						
Grey shale, with							grey partings ...	0	2	6			
hard girdles ...	0	3	6				White post ...	0	2	6			
Seggar ...	0	4	0				White post, with						
<i>Victoria Seam—</i>							grey partings ...	1	0	0			
COAL ...	0	1	0				Blue shale ...	0	2	6			
				7	2	6	Hard white post ...	1	1	6			
Seggar ...	0	2	9				Strong grey post ...	0	2	0			
White post ...	9	1	3				Hard white post ...	0	4	6			
Seggar ...	0	2	0				Blue metal ...	1	1	1			
Grey shale ...	0	2	6								6	0	3
Carried forward	10	2	6	20	4	6	Total ...				40	0	0

No. 2,404.—BEECHBURN.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 40' 40", Long. 1° 44' 30".

*Beechburn, Bore-hole near River Wear, a little North-west of Witton Park
Bore-hole, No. 2,296.*

Approximate surface-level 280 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	3	0				Brought forward	1	1	0			
Gravel ...	0	4	0				Sand and clay ...	0	5	6			
											2	0	6
Carried forward	1	1	0				Carried forward				2	0	6

No. 2,404.—BEECHBURN.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.	
				2	0	6				
Sandstone ...	...	0	1	0					
Shale ...	...	2	2	6					
<i>Brockwell Seam—</i>										
COAL ...	...	0	4	9	3	2	3		
Shale ...	...	1	0	0					
Sandstone ...	...	0	1	0					
Shale ...	...	0	1	9					
Sandstone ...	...	2	5	4					
Shale ...	...	2	0	0					
Sandstone ...	...	0	2	0					
Shale ...	...	0	2	0					
Sandstone ...	...	2	2	0					
Shale ...	...	1	0	6					
Carried forward				10	2	7	5	2	9	

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				10	2	7	5	2	9
Black shale ...	...	0	1	2					
Grey shale ...	...	0	4	6					
<i>Victoria Seam—</i>									
COAL ...	...	0	2	0	11	4	3		
Fire-clay ...	...	0	2	6					
Sandstone ...	...	3	4	4					
Dark shale ...	...	0	3	6					
Grey shale ...	...	1	2	0					
Sandstone ...	...	3	0	0					
Black shale ...	...	0	2	0					
<i>Marshall Green Seam—</i>									
COAL ...	...	0	1	5	9	3	9		
Total ...				...	26	4	9		

No. 2,405.—BEECHBURN.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 42' 37", Long. 1° 46' 12".

Beechburn, No. 3 Bore-hole, North-west of No. 1.

Approximate surface-level 680 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			
Blue and brown stony clay... ..	7	3	0	7	4	0
Blue metal	1	0	0			
COAL	0	3	0	1	3	0
Grey metal	0	1	6			
Grey metal stone	1	4	6			
Yellow post	0	5	6			
White post	1	2	0			
Yellow post	0	5	6			
Dark metal stone	0	2	0			
White post	1	0	7			
Yellow post	0	4	8			
Black stone	0	0	11			
Grey metal stone	1	5	0			
Dark metal stone	0	2	7			
Black metal	0	0	7			
Grey metal	0	1	11			
COAL	0	1	0	10	2	3
Carried forward	19	3	3			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	19	3	3			
Dark metal, with scales of coal	0	0	3			
Grey post	4	3	0			
Blue metal stone	3	4	7			
COAL	0	0	9	8	2	7
Grey metal	2	1	10			
Dark metal stone	3	0	0			
White post	1	5	0			
Grey metal stone	1	5	4			
Dark metal	0	0	10			
COAL	0	1	0	9	2	0
Grey post	1	1	8			
Dark metal stone	0	4	0			
White post	1	5	0			
Grey metal stone	2	1	6			
White post	9	0	7			
Grey metal stone	0	4	9	15	5	6
Total	53	1	4			

No. 2,406.—BEECHBURN.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 33 of Ordnance Map. Lat. $54^{\circ} 41' 28''$, Long. $1^{\circ} 45' 19''$.*No. 5 Bore-hole at Beechburn, 300 yards from Hargill Hill Public House,
July, 1844.*

Approximate surface-level 490 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	6				Brought forward	11	3	10			
Brown stony clay ...	3	0	0				Brown metal, with						
				3	0	6	coal	0	0	3			
Brown post, with							Grey metal stone						
water	1	0	0				and post	0	1	5			
Grey metal stone							Strong white post...	6	3	0			
post girdles ...	5	4	0				Grey metal and						
COAL	0	0	3				metal stone ...	3	4	6			
				6	4	3	Marshall Green Seam—						
Grey metal	1	2	8				COAL , foul ...	0	1	6			
Victoria Seam—								10	4	8			
							Grey and white post,						
COAL , coarse 0 5							into	1	2	0			
COAL , good 2 0								1	2	0			
	0	2	5										
				1	5	1							
Carried forward				11	3	10	Total	23	4	6			

No. 2,407.—BEESBANK.

TOWNSHIP OF PITTINGTON, DURHAM.

Sheet 20 of Ordnance Map. Lat. $54^{\circ} 48' 42''$, Long. $1^{\circ} 32' 0''$.*Account of Strata bored through for the Earl of Durham on the North Side of the
River Wear, near Beesbank Railway Bridge. By Mr. Wm. Coulson.
Commenced October 29th, 1873.*

Approximate surface-level 70 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	2	0				Brought forward	4	0	10	6	2	0
				0	2	0	Grey metal, with						
Brown and white							post girdles ...	1	0	5			
post	0	3	0				COAL , coarse ...	0	0	9½			
Grey post	0	3	0								5	2	0½
Soft dark grey metal	0	2	0				Mild grey metal ...	0	2	10			
Grey post, with							Dark grey metal,						
water	2	5	6				with post girdles	1	3	6			
Dark grey post,							COAL , strong ...	0	1	2			
with metal part-											2	1	6
ings	1	4	0				Grey metal thill ...	0	1	5			
COAL , coarse ...	0	0	6				Grey metal, with						
				6	0	0	post girdles ...	0	2	6			
Grey metal	0	2	4				COAL , coarse ...	0	0	7			
Grey metal, with											0	4	6
post girdles ...	1	3	0				Grey metal, with						
Grey post, with							post girdles ...	0	2	3½			
metal partings ...	1	1	9				Grey post, into ...	0	1	6			
White post	0	5	9								0	3	9½
Carried forward	4	0	10	6	2	0	Total	15	1	10			

No. 2,408.—BELFORD.

TOWNSHIP OF BELFORD, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. 55° 35' 38½", Long. 1° 51' 1".

Account of Boring at Belford, near Sionside, about 300 yards to the North-east from the Whinney Hill. July 1st, 1763.

Approximate surface-level 360 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and stony clay, with a mixture of sand and a small spring of water.	1	1	6				Brought forward	7	5	8	16	5	7	
Sand, with water	0	1	6				Grey metal, with girdles	2	1	6				
Leafy clay	0	4	6				COAL	0	0	5				
Stony clay	1	0	0								10	1	7	
				3	1	6	Strong white post, with water	3	0	0				
Blue grey metal stone, with girdles	10	5	6				Grey metal	1	0	9				
Mixture whin	0	1	0											
Strong limestone or whin	2	3	0				COAL, foul	0	7					
COAL	0	0	7				Black and grey metal, with brassy gird- les and some sparkles of coal	1	2					
				13	4	1	COAL, with water	0	6					
Dunnish grey metal	0	0	6							0	2	3		
Grey metal	0	2	0									4	3	0
Grey and brown post, and set away the water	2	1	6				Grey metal	0	2	9				
White and grey post	1	2	6				Whin or strong limestone	0	0	3				
Grey metal stone	3	3	0								0	3	0	
Whin and strong limestone	0	2	2											
Carried forward	7	5	8	16	5	7	Total				32	1	2	

N.B.—Rods measured by Mr. Newbigin to ... 32 2 5

No. 2,409.—BELLASIS.

TOWNSHIP OF BELLASIS, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. , Long.

Account of the Boring at Bellasis, near Shunnington. 1864-65.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	14	2	9	4	5	7
Clay	0	2	6										
				0	3	6	COAL, soft	1	2				
Soft freestone, with water	1	1	8				COAL, foul	0	4				
Brown post	2	4	10							0	1	6	
COAL	0	1	7								14	4	3
				4	2	1	Grey metal, mixed with post	1	2	9			
Grey metal	6	5	5				COAL	0	0	4			
White post, with water	2	0	0								1	3	1
Grey metal, with girdles	5	3	4				Grey metal and post girdles	3	5	1			
							Grey post	8	2	4			
Carried forward	14	2	9	4	5	7	Carried forward	12	1	5	21	0	11

No. 2,409.—BELLASIS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	1	5	21	0	11	Brought forward	23	0	1	21	0	11
Grey metal ...	...	0	2	0			Grey metal stone ...	6	2	0			
White post ...	...	2	2	0			Grey post ...	...	1	0	0		
Metal ...	...	4	5	2			Metal post girdles...	...	2	0	0		
Grey post ...	...	1	1	6			Post, into ...	...	6	3	0		
Grey metal ...	...	2	0	0							38	5	1
Carried forward	23	0	1	21	0	11	Total ...	...	60	0	0		

No. 2,410.—BELLINGHAM.

TOWNSHIP OF BELLINGHAM, NORTHUMBERLAND.

Sheets 60 and 68 of Ordnance Map. Lat. , Long.

General Section, according to Mr. T. J. Taylor, from Hareshaw or Upper Series of Coal-beds to the Bellingham Seam of Coal.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandstone and shale	20	0	0				Brought forward	20	3	0	155	1	8
Freestone ...	...	2	3	5			<i>Ridsdale Ironstone or</i>						
Blue and grey metal	1	0	10				<i>Five-fathoms Shale—</i>						
COAL ...	...	0	0	5			Ft. In.						
				23	4	8	Top shale,						
Freestone and grey							with shell						
metal ...	...	1	4	0			band(6in.)						
Grey metal and post							and iron-						
girdles ...	...	2	2	3			s t o n e						
Freestone ...	...	1	3	6			nodules ...	14	0				
Grey beds ...	...	0	5	6			Bottom shale,						
Freestone ...	...	2	1	2			richer in						
COAL ...	...	0	0	7			nodules						
				8	5	0	than the						
Grey metal and grey							top ...	15	10				
beds ...	...	1	3	8					4	5	10		
<i>Hareshaw Head Seam—</i>											25	2	10
Ft. In.							Fire-clay ...	...	0	4	0		
COAL ...	...	0	3½				Grey beds ...	...	0	2	10		
COAL and							Freestone ...	...	2	0	0		
shale ...	...	0	4½				Grey shale ...	...	0	5	1		
COAL , clean	2	10					Ft. In.						
				0	3	6	Ironstone, Isa-						
				2	1	2	bella band	0	3				
Grey and blue shale	1	0	0				COAL , splint	0	1½				
COAL ...	...	0	0	5			Ironstone,						
				1	0	5	Thomas band,						
Shale freestone, etc.	6	5	7				ferruginous						
<i>Limestone</i> ...	...	2	1	0			limestone 6½						
Shale freestone and							inches, to ...	0	10				
<i>Limestones</i> ...	...	110	0	0			COAL ...	0	6				
<i>Haining Rig Seam—</i>									0	1	8½		
COAL ...	...	0	1	10							4	1	7½
				119	2	5	Grey shale ...	...	0	3	0		
Freestone shale, etc.	17	0	0				Sandstone and shale	15	0	0			
<i>Lower Limestone</i> ...	...	2	3	0			<i>Upper Hall Seam.</i>						
Freestone on top of							formerly worked						
shale ...	...	1	0	0			at Brier Edge—						
							COAL ...	...	0	1	3		
											15	4	3
Carried forward	20	3	0	155	1	8	Shale and sandstone	5	0	0			
							<i>Furnace Coal Seam—</i>						
							COAL ...	...	0	1	4		
											5	1	4
							Total ...	...	205	5	8½		

No. 2,411.—BELLINGHAM.

TOWNSHIP OF BELLINGHAM, NORTHUMBERLAND.

Sheets 68 and 69 of Ordnance Map. Lat. , Long.

Haweshead and Bellingham Ironworks, General Section.

Approximate surface-level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Moss ...	0	2	0								19	5	10
Gravel ...	0	3	6										
White sandstone ...	0	2	0										
Shattered freestone ...	0	1	6										
Freestone ...	1	2	3										
Grey beds ...	0	3	0										
Fire-clay ...	0	3	0										
Plate or shale ...	0	5	0										
Ironstone band ...	0	0	1										
Plate ...	0	5	0										
COAL ...	0	0	8										
				5	4	0							
Freestone ...	1	3	7										
Grey beds ...	0	0	8										
Freestone ...	0	1	8										
Grey beds ...	0	3	2										
Plate ...	0	3	6										
Ironstone band ...	0	0	3										
Plate ...	0	0	3										
Limestone ...	0	0	6										
Fire-clay ...	0	2	4										
COAL ...	0	0	3½										
				3	4	2½							
Fire-clay ...	0	3	3										
COAL ...	0	0	1½										
				0	3	4½							
Plate and nodules ...	1	3	2										
Fire-clay ...	0	3	11										
White freestone ...	0	3	1										
Grey beds ...	0	1	0										
White freestone ...	2	3	6										
Grey beds ...	1	0	0										
COAL ...	0	0	1										
				6	2	9							
Freestone ...	0	3	1										
Grey beds ...	0	2	6										
Freestone ...	0	4	6										
Grey beds ...	0	1	0										
Freestone ...	0	3	6										
Grey beds ...	0	3	0										
<i>Fourlaws or Hare-shaw Head Seam—</i>													
COAL ...	0	2	3										
				3	1	10							
Freestone ...	0	1	0										
COAL ...	0	0	8										
				0	1	8							
Carried forward				19	5	10							
							Brought forward						
							Fire-clay ...	0	3	0			
							Freestone ...	0	3	4			
							Freestone ...	8	0	0			
							<i>Haining Rig Seam—</i>						
							COAL ...	0	1	10			
											9	2	2
							Grey beds* ...	3	4	0			
							<i>Fourlaws Limestone</i>	1	4	0			
							Clay ...	0	5	0			
							Grey beds ...	0	4	4			
							Plate ...	1	0	8			
							Black band, not good: a bituminous shale ...	0	0	11			
							COAL* ...	0	0	2½			
											8	1	1½
							Freestone ...	5	0	0			
							Shivery freestone ...	1	5	3			
							Grey beds ...	0	4	0			
							Plate and nodules of ironstone ...	6	2	6			
							<i>Bottom Limestone or Lower Limestone of No. 2,409</i> ...	2	5	0			
							Freestone ...	1	5	6			
							<i>Rildale Ironstone Shale—</i>						
							Ft. In.						
							Top plate, with nodules of ironstone	13	8				
							Shell band...	0	6				
							Bottom plate, with nodules of ironstone	17	0				
										5	1	2	
										23	5	5	
							Fire-clay ...	1	0	0			
							Grey beds ...	5	4	0			
							Fire-clay ...	0	3	0			
							Plate, with ironstone	0	2	0			
							<i>Upper Hall Seam—</i>						
							COAL ...	0	1	3			
											7	4	3
							Total ...				69	0	9½

* to * Section taken in Blackband Pit.

No. 2,412.—BELLINGHAM.

TOWNSHIP OF BELLINGHAM, NORTHUMBERLAND.

Sheet 68 of Ordnance Map. Lat. 55° 8' 46", Long. 2° 15' 0".

Section of Boring at Bellingham for the Hareshaw Iron-Company, situated 150 yards above the Railway up Bellingham Burn.

Approximate surface-level 410 feet above sea (Ordnance datum).

	Fs.	Fl.	In.	Fs.	Fl.	In.		Fs.	Fl.	In.	Fs.	Fl.	In.
Shale ..	3	3	6				Brought forward	32	5	11			
<i>Furnace Seam—</i>							Grey shale, with						
COAL ..	0	1	3	3	4	9	post girdles ...	0	4	6			
Fire-clay ...	0	2	0				White post ...	0	3	7			
Freestone ...	6	2	4				Post, with metal						
Grey beds ...	1	1	2				partings ...	0	5	0			
Freestone ...	0	1	0				Grey metal, with						
COAL ...	0	0	9	8	1	3	post girdles ...	1	3	0			
Freestone ...	0	3	0				Strong post ...	3	5	8			
Dark shale, with							Freestone ...	4	5	4			
whin girdles ...	0	4	0				Blue shale, with						
Black stone ...	0	1	0				ironstone girdles	0	0	11			
COAL ...	0	0	4	1	2	4	<i>Carleth or Belling-</i>						
White post girdles	1	5	2				<i>ham Seam—</i>						
Blue metal and post	2	1	6				COAL ...	0	9				
Black stone ...	0	1	0				Black stone ...	0	1 $\frac{1}{2}$				
COAL, splint ...	0	0	8				COAL ...	0	10 $\frac{3}{4}$				
Black stone ...	0	0	3	4	2	4		0	1	8 $\frac{3}{4}$	12	5	8 $\frac{3}{4}$
White post ...	1	0	4				Grey metal ...	0	3	2			
Limestone ...	0	4	0				COAL ...	0	0	8			
Freestone ...	3	4	9					0	3	10			
Grey metal, with							Grey metal ...	0	2	4			
ironstone ...	3	3	0				Grey metal, with						
Ferruginous lime-							post girdles ...	4	4	0			
stone ...	0	5	9				Freestone ...	13	4	2			
Blue shale ...	0	1	0				Blue metal, with						
Grey shale ...	0	2	0				coal partings ...	0	0	7			
White freestone ...	0	1	6				Grey metal, with						
Whin ...	0	1	3				post girdles ...	0	1	8			
White post, with							Limestone ...	0	1	3			
whin girdles ...	1	0	0				Grey metal, with						
Whin ...	0	1	2				thin post girdles	1	2	2			
Grey shale, with post							COAL ...	0	0	10	20	5	0
girdles ...	0	0	7										
Black stone...	0	0	7				Dark grey metal ...	0	2	10			
White post ...	0	4	7				Freestone ...	1	4	3			
Blue shale ...	1	3	0				Grey shale ...	3	3	5			
Grey shale, with							Limestone ...	0	1	7			
post girdles ...	0	1	6				Blue shale ...	2	0	7			
Blue shale ...	0	1	8				Limestone ...	0	1	2			
COAL ...	0	0	4	15	1	3	Blue shale ...	7	1	2			
							Limestone ...	0	0	11			
							Blue shale ...	1	2	8			
							Freestone ...	0	5	3			
							Limestone* ...	1	0	10			
Carried forward				32	5	11	Carried forward	19	0	8	67	2	5 $\frac{3}{4}$

*This Limestone is supposed by Mr. T. J. Taylor to be the same as the Papists Cross Limestone, which lies about 14 fathoms above the Plashetts seam of coal.

No. 2,412.—BELLINGHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	19	0	8	67	2	5 $\frac{3}{4}$	Brought forward	6	0	6	86	3	7 $\frac{1}{2}$
Shale ...	...	0	0	1			Dark shale, mixed						
COAL ...	...	0	0	4 $\frac{3}{4}$			with coal ...	0	0	6			
				19	1	1 $\frac{3}{4}$	Dark grey post	0	1	0			
Shale ...	...	2	2	6			Limestone ...	0	2	2			
Limestone ...	...	0	1	7			Shale ...	0	2	10			
Shale ...	...	0	2	10			Very hard limestone,						
Limestone ...	...	0	1	7			into ...	0	2	0			
Shale, with post											7	3	0
girdles ...	...	2	4	0									
Carried forward	6	0	6	86	3	7 $\frac{1}{2}$	Total ...				94	0	7 $\frac{1}{2}$

No. 2,413.—BELLINGHAM.

TOWNSHIP OF BELLINGHAM, NORTHUMBERLAND.

Sheet 67 of Ordnance Map. Lat. 55° 8' 38", Long. 2° 19' 59".

Account of Strata sunk through at High Cariteth, on Cariteth Moor, North Tynedale.

Approximate surface-level 650 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Sandstone at Howle-							Brot. forward	1	4	3	0	0	4	3	10
hirst Crags ...	...	4	3	5			Band ...	0	10						
COAL, sooty ...	...	0	0	5			COAL ...	0	3						
				4	3	10				0	2	5			
Shale ...	...	3	0	0									3	2	5
High Cariteth							Bastard Limestone	0	3	0					
Seam—							Seggar-clay ..	0	1	0					
											0	4	0		
COAL ...	Ft.	In.													
	1	4													
Chr. forward	1	4	3	0	0	4	Total ...				8	4	3		

No. 2,414.—BENTON.

TOWNSHIP OF LONGBENTON, NORTHUMBERLAND.

Sheet 88 or 89 of Ordnance Map. Lat. , Long.

Account of Strata sunk through at the Juck Pit, Longbenton, 1751.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	0	4	0			Brought forward				14	3	1
Soil and clay	1	0	0			Blue metal stone, with						
Dry sand	0	1	1			whin girdles ...	0	5	0			
Stony clay	8	2	0			Grey post ...	0	4	0			
				10	1	1	Blue stone, with post						
Grey post	2	2	0			girdles ...	3	0	0			
Blue metal stone	...	0	1	1			Whin girdles ...	0	0	6			
COAL	0	1	11			Blue stone ...	1	1	2			
				2	5	0	COAL ...	0	2	4			
Blue metal stone	...	1	2	4							6	1	0
COAL	0	0	8			Thill and grey post ..	2	1	0			
				1	3	0	Whin ...	0	2	0			
Carried forward				14	3	1	Carried forward	2	3	0	20	4	1

No. 2,414.—BENTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	0	20	4	1	Brought forward	9	3	9	27	0	1
Grey post ...	1	0	0				COAL and black metal ...	0	1	0			
Blue metal stone ...	2	1	2								9	4	9
Black metal stone ...	0	3	0				Grey and black metal	4	1	6			
COAL ...	0	0	10				Black metal, mixed with coal ...	0	1	0			
				6	2	0	Grey and white post, with whin girdles	9	0	9			
Soft grey metal, with catheads ...	0	3	9				High Main Coal Seam—						
Strong white post, with water ...	5	3	0				COAL ...	1	1	0			
Grey and black metal, with girdles and catheads ...	3	3	0							14	4	3	
Carried forward	9	3	9	27	0	1	Total ..			51	3	1	

No. 2,415.—BENWELL.

TOWNSHIP OF BENWELL, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 58' 23", Long. 1° 39' 35".

Account of Strata sunk through at the Charlotte Pit, Benwell, below the Beaumont Seam. August 27th, 1902. Continuation of No. 168.

Approximate surface-level 305 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to top of Beaumont Seam ...	101	3	6				Brought forward			111	4	10	
Beaumont Seam—							Blue metal ...	1	1	0			
COAL ...	2	6					White post ...	4	0	0			
Band ...	1	0					COAL ...	0	0	10			
COAL ...	0	10								5	1	10	
				0	4	4	Blue metal ...	2	1	0			
				102	1	10	Pire-Quarter Seam—						
Clay, with iron ...	0	3	0				COAL ...	2	6				
Clay, coarse ...	0	5	0				Band ...	0	7				
White post ...	5	0	0				COAL ...	0	7				
Blue metal ...	0	4	0							0	3	8	
COAL ...	0	1	6							2	4	8	
				7	1	6	Blue metal ...	7	4	6			
Band ...	0	0	6				Blue post ...	1	4	6			
Blue metal ...	0	4	0				White post ...	1	1	0			
COAL ...	0	1	8				Brockwell Seam—						
				1	0	2	COAL ...	0	2	8			
Band ...	0	0	8							11	0	8	
Blue metal ...	1	0	0				Blue metal ...	0	3	0			
COAL ...	0	0	8				White post ...	3	2	0			
				1	1	4				3	5	0	
Carried forward				111	4	10	Total ...			134	5	0	

No. 2,416.—BERRINGTON.

TOWNSHIP OF BERRINGTON, NORTHUMBERLAND.

Sheet 11 of Ordnance Map. Lat. 54° 41' 4", Long. 2° 0' 30".

Account of Strata bored through on the Berrington Estate for Messrs. Johnson & Whittle of Morpeth. July, 1900.

Approximate surface-level 200 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Dark sand and loam	2	1	4				Brought forward	5	1	10	6	0	0
				2	1	4	Blue metal ...	2	5	4			
Limestone, supposed							Whinstone ...	0	0	6			
Second Limestone													
below Licker Seam	3	3	8										
COAL	0	1	0				COAL, splint	1	4				
				3	4	8	COAL, good	2	6				
Blue red keel, soft										0	3	10	
stone	2	0	0								8	5	6
Post	0	2	0				Seggar-clay	0	0	6			
Blue post and iron-											0	0	6
stone bands	2	5	10										
Carried forward	5	1	10	6	0	0	Total				15	0	0

No. 2,417.—BEWICKE MAIN.

TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53' 38", Long. 1° 37' 0".

Account of Strata bored through at No. 1 Bore-hole, about 150 yards North-east of the Riding Farm, near present Main Coal Stagle, Bewicke Main Colliery.

Approximate surface-level 220 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Soil	0	2	9				Brought forward	0	0	6	6	0	6
Sand	0	0	3				Leafy post	0	0	10			
Clay, gravelly	0	3	0				White post	0	2	4			
				1	0	0	Blue metal	0	2	9			
Hard white post	0	0	7				Leafy post	0	0	7			
Black plate	0	0	3				Blue metal, mixed						
White post	0	3	0				with stone girdles	0	2	10			
Freestone	0	3	0				Blue metal, mild	0	2	8			
Leafy post	2	2	2				Leafy post	0	0	5			
Blue metal	0	1	0				Blue metal, with						
Post	0	0	2				stone girdles	0	1	5			
COAL	0	0	10				White post	0	1	4			
				3	5	0	Blue metal	0	4	11			
Seggar	0	2	4				COAL	0	2	0			
Leafy post	0	0	8								3	4	7
Blue metal	0	0	8				Black plate	0	0	9			
							Leafy post	0	1	0			
COAL	0	4					Seggar	0	1	2			
Band	0	2					COAL	0	0	2			
COAL	3	4									0	3	1
				0	3	10	Seggar	0	1	6			
							White post	0	2	2			
				1	1	6	Blue metal	0	0	4			
White post	0	0	2				White post	0	1	5			
Black plate	0	0	4				Blue metal	2	0	7			
Carried forward	0	0	6	6	0	6	Carried forward	3	0	0	10	2	2

No. 2,417.—BEWICKE MAIN. CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	0	10	2	2	Brought forward	17	1	6			
COAL	0	1	0				Seggar	0	2	6			
				3	1	0	Blue metal, with						
Black plate... ..	0	0	8				ironstone girdles	0	2	0			
White post	0	2	2				Leafy post	0	3	8			
Whin	0	2	0				Blue metal	0	0	4			
Leafy post	0	5	0				White post	1	0	6			
White post, hard ...	0	2	4				Blue metal	0	2	6			
Leafy post	0	1	8				White post, very						
White post	1	0	4				hard, into	0	2	3			
COAL	0	2	2								3	1	9
				3	4	4							
Carried forward				17	1	6	Total	20	3	3			

No. 2,418.—BIDDICK.

TOWNSHIP OF HARRATON, LURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 52' 59", Long. 1° 30' 16".

Strata sunk through in the Little Pit, 15 yards South-west of the Haugh Pit, North Biddick Colliery, March, 1894.

Approximate surface-level 40 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	2				Brought forward	7	4	0	15	2	0
Yellow clay	0	5	0				COAL						
Blue clay	1	0	0								7	4	2
Quicksand: liquid as							Seggar-clay	1	4	0			
water	1	3	0				Grey metal, with post						
Blue clay	2	2	0				girdles	2	3	0			
Brown stony clay ...	0	4	10				Blue metal	0	4	0			
				6	4	0	Blue post, with water	0	5	0			
Broken yellow free-							Blue metal	2	0	0			
stone	0	3	0				Black metal	4	1	9			
Brown and white							COAL	0	0	2			
freestone	3	3	0								11	5	11
Blue metal	0	2	0				Seggar-clay	0	3	10			
Seggar-clay	1	0	0				Blue metal	0	3	2			
Black metal	0	4	3				COAL	0	0	1			
COAL	0	0	3								1	1	1
				6	0	6	Seggar	0	2	9			
Thill	0	2	8				Grey metal, with						
Blue metal	0	1	0				water	0	4	6			
Grey metal, with post							White post	1	2	7			
girdles	1	3	10				Post	0	2	6			
Black stone	0	1	8				Blue metal	0	0	1			
COAL	0	0	4				Grey whin	0	4	0			
				2	3	6	Strong white post ...	1	0	0			
Seggar-clay	1	2	0				Strong post, with						
White post, with whin							partings	0	4	5			
balls	4	3	0				Strong post	5	0	0			
Grey metal, with							Blue metal	0	1	2			
water	1	3	0				Post girdle	0	0	10			
Black metal	0	2	0										
Carried forward	7	4	0	15	2	0	Carried forward	10	4	10	36	1	2

No. 2,418. BIDDICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	4	10	36	1	2	Brought forward				91	2	7
Blue metal, with iron girdles	...	1	4	6			Strong dark post	...	0	2	0		
COAL	...	0	3	1			Blue metal	...	1	3	0		
				13	0	5	Grey metal, with post girdles	...	1	0	0		
Seggar	...	0	2	0			Blue metal, with iron bands	...	2	2	0		
Grey metal	...	5	2	0									
Dark slaty stone	...	0	2	5			COAL	...	0	8			
COAL, very dirty	...	0	2	8			Stone	...	0	3			
				6	3	1	COAL	...	0	5½			
Seggar	...	0	2	0			Black stone	...	1	7			
Strong grey metal, with iron balls	...	3	3	0			COAL	...	0	4			
Strong white post	...	0	4	0							0	3	3½
Grey post	...	1	2	0							5	4	3½
Grey metal	...	1	5	0			Strong bastard seggar	...	0	4	3		
Three-Quarter Seam							Dark blue metal	...	1	1	0		
COAL	...	0	2	4			Grey metal, with post girdles	...	2	2	10		
				8	0	4	Blue metal	...	2	2	0		
Seggar thill	...	0	1	0			Low Main Seam						
Grey metal, with iron girdles	...	5	4	6			COAL	...	0	3	0		
Five-Quarter Seam											7	1	1
COAL	...	0	3	8			Grey post	...	0	5	8		
				6	3	2	Blue metal	...	0	1	6		
Seggar thill	...	0	2	4			COAL	...	0	0	4		
Grey metal	...	1	1	10							1	1	6
Strong grey metal, with post girdles	...	0	4	0			Seggar	...	0	1	2		
Dark grey metal	...	2	3	0			Grey metal	...	2	5	4		
Blue metal, with iron girdles	...	3	1	10			Strong post	...	0	2	0		
Soft grey metal	...	2	2	4			Leafy post	...	1	3	0		
Main Coal Seam							Very strong whin	...	0	5	0		
COAL	...	2	1				White post	...	0	4	8		
Stone	...	0	3				Leafy post	...	0	3	4		
COAL	...	3	4				Strong white post	...	1	3	0		
				0	5	8	Blue metal	...	1	0	0		
				11	3	0	Hutton Seam—						
Fine seggar	...	0	2	6			COAL	...	3	6			
Strong grey metal, with post girdles	...	2	5	0			Seggar	...	0	2			
Fine blue metal, with iron girdles	...	4	1	6			COAL	...	1	5			
Very strong post, with whin	...	0	3	0							0	5	1
Blue metal, with post girdles	...	0	3	9							10	2	7
Maudlin Seam—							Seggar	...	0	2	0		
COAL	...	4	6				Blue metal, with iron girdles	...	0	3	6		
Seggar	...	0	7				Leafy post, with whin girdles	...	2	3	1		
COAL	...	0	7				Blue metal, with post girdles	...	0	4	6		
				0	5	8	Strong post girdle	...	0	0	4		
				9	3	5	Strong blue metal	...	0	2	0		
							Dark grey post	...	0	2	1		
Carried forward				91	2	7	Leafy post	...	0	2	6		
											5	2	0
							Total	...			121	2	0½

No. 2,419.—BIDDICK, NORTH.

TOWNSHIP OF

, DURHAM.

Sheet 13 of Ordnance Map. Lat.

, Long.

*Account of Strata bored through at North Biddick, to the East of the Engine,
November 24th, 1768.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to box top ...				2	5	0	Brought forward	34	0	5			
Box ...	1	5	0				Grey metal stone, with girdles and lumps ...	1	5	2			
Grey metal, with girdles ...	2	4	9								1	5	2
Soft black metal, seared with coal near the bottom...	0	3	3								35	5	7
COAL ...	0	0	11				Lowered the scaffold				1	2	0
				5	1	11							
Grey metal ...	3	4	0								34	3	7
Grey metal stone, with water ...	2	4	8				White post, with partings and water and set away the water ...	9	3	0			
COAL ...	0	1	2				Grey metal stone and post girdles...	1	5	8			
				6	3	10	Grey and blue metal	0	1	0			
Soft black grey metal ...	0	0	6										
Grey metal, with hard girdles or lumps ...	3	2	9				COAL ...	0	6				
Black slaty metal ...	0	2	6				Blue metal ...	0	1				
COAL ...	0	0	11				COAL ...	1	3				
				4	0	8				0	1	10	
Grey metal stone, with girdles or cat- heads ...	2	0	0							11	5	6	
Black metal, with sparkles of coal ...	0	1	11				Grey metal ...	0	3	0			
Grey metal, with sparkles of coal ...	0	0	9				Grey metal stone and post girdles...	5	2	6			
Grey metal and metal stone ...	1	3	6				Blue grey metal ...	0	1	6			
White post ...	0	1	6				Black metal, with scars of coal ...	0	1	0			
Grey metal, with post girdles ...	4	2	3				COAL ...	0	0	9			
COAL ...	0	0	6							6	2	9	
				8	4	5	Black grey metal...	0	0	6			
Grey metal, mixed with coal ...	0	0	6				Grey metal ...	0	5	3			
Grey metal ...	0	2	9				Grey metal stone, with girdles ...	3	0	0			
White post ...	0	4	6				Whin ...	0	0	10			
Grey metal, with post girdles ...	1	3	0				Strong white post...	0	4	0			
White post ...	0	2	0				Blue metal stone ...	2	5	3			
Grey metal stone ...	0	4	0				Black slaty metal, mixed with coal ...	0	0	3			
Strong white post, with a parting and set away the water	0	3	0										
Grey metal stone ...	0	3	0				COAL, with brassy lumps or scary bands ...	0	5				
Soft black and grey metal ...	1	2	6				Black metal, with scars of coal ...	0	4				
COAL and black stone ...	0	1	4				COAL, hard	2	5				
				6	2	7				0	3	2	
Carried forward				34	0	5	Strong grey metal stone, with post girdles ...	5	3	0			
										8	1	3	
							Carried forward	5	3	0	61	1	1

No. 2,419.—BIDDICK, NORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	3	0	6	1	1
COAL	0	3	5			
				6	0	5
Black grey metal, with girdles or cat- heads	3	2	3			
Mixture whin	0	2	9			
Black grey metal stone	1	2	0			
Mixture whin	0	1	0			
Whin	0	0	9			
Strong grey metal stone, with post girdles	2	1	0			
Strong grey metal, with girdles or lumps	2	0	0			
Grey metal	0	3	0			
Soft black metal	0	0	4			
Carried forward	10	1	1	6	7	1

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	1	1	6	7	1
COAL	2	4				
Blue metal	0	3				
COAL	1	4				
Blue metal	0	4				
COAL	1	8				
		0	5	11		
				11	1	0
Grey metal, into	0	0	3			
				0	0	3
Total				78	2	9

July 11th, 1769.—			
Rods measured by Mr.			
Brown, to	75	2	8
and sinking	4	2	2
Total	79	4	10

No. 2,420.—BILLINGHAM.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 41', Long. 1° 17' 14'.

*Account of Strata bored through from the bottom of Old Bore-hole at Billingham
Brewery by W. Coulson & Son. November, 1876.*

Approximate surface-level 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth of well	10	0	0				Brought forward	9	3	10	25	5	0
From bottom of well to bottom of bore- hole	15	5	0				Strong red sand- stone, hard girdles, soft partings and water	9	3	8			
				25	5	0	Soft red metal, with hard girdles	1	3	0			
Strong red sandstone, with metal part- ings and water	4	5	5				Strong red sand- stone, with thin partings, into	2	2	6			
Red shale, with hard girdles	1	4	5					23	1	0			
Hard light red sand- stone	3	0	0				Total				49	0	0
Carried forward	9	3	10	25	5	0							

No. 2,421.—BINCHESTER.

TOWNSHIP OF BINCHESTER, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 40' 47", Long. 1° 37' 51".

*Account of Strata sunk through in No. 1 Pit, Binchester Colliery, on North side of
Butterknole Fault. 1872.*

Approximate surface-level 480-70 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Offset	0	1	8				Brought forward	0	3	2			
Sand	0	1	6				Sand and clay	0	2	10			
Carried forward	0	3	2				Carried forward	1	0	0			

No. 2,421.—BINCHESTER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	0	0				Brought forward	2	4	1	29	2	10
Sand and gravel ...	2	0	6				Grey metal ...	2	2	4			
Clay ...	2	4	6				Blue metal ...	0	3	4			
				5	5	0	Grey metal post girdle, a fault ...	6	1	0			
Soft grey metal ...	1	2	6				Grey metal ...	3	3	0			
Black stone...	0	1	6				Black stone...	0	3	0			
Seggar-clay ...	0	3	0				Whin ...	0	1	6			
Black stone...	0	0	9				Black stone...	0	0	4			
Grey metal ...	0	2	0				COAL ...	0	0	5			
Post girdles...	0	1	3								16	1	0
Grey metal ...	0	3	6				Grey post ...	0	2	0			
COAL ...	0	0	3				Black stone...	0	0	4			
				3	2	9	COAL ...	0	0	6			
Seggar-clay ...	0	0	6								0	2	10
Black stone...	0	0	3				Seggar-clay ...	0	1	0			
Blue metal ...	0	3	1				Grey post ...	1	0	0			
Black stone...	0	0	11				Blue metal on north side of pit ...	3	4	0			
Seggar-clay ...	0	5	4				White post, with water on south side of pit ...	0	1	0			
Grey metal ...	2	4	3				Black stone and coal	0	0	9			
COAL ...	0	0	5				Seggar-clay ...	0	1	6			
				4	2	9	Grey metal ...	0	3	9			
Post ...	0	1	0				White post and whin	4	1	0			
COAL ...	0	0	6				Blue metal ...	0	0	6			
				0	1	6	COAL ...	0	1	3			
Seggar-clay ...	0	1	0								10	2	9
COAL ...	0	0	6				Seggar-clay ...	0	1	0			
				0	1	6	Grey metal ...	0	4	6			
Seggar-clay ...	0	3	6				White post ...	6	0	0			
Soft grey metal	3	2	6				Black stone and coal	0	1	4			
Blue metal ...	1	4	6				Brown post ...	1	1	0			
COAL ...	0	1	8				Grey metal ...	1	0	0			
				6	0	2	COAL ...	0	0	4			
Seggar-clay ...	0	0	9								9	2	2
Post girdles...	0	1	0				Grey metal ...	0	4	6			
Grey metal ...	0	2	0				Whin girdle ...	0	2	6			
Post girdles...	0	1	0				Grey metal ...	0	3	0			
Grey metal ...	1	3	3				Black stone...	0	0	4			
Black stone...	0	0	10				Seggar-clay ...	0	5	0			
Seggar-clay ...	0	0	9				Dark post ...	1	0	0			
Post girdles...	0	1	6				White post ...	3	0	0			
Grey metal ...	1	0	0				Grey post ...	1	3	0			
Blue stone ...	0	2	7				Metal ...	0	1	8			
Black stone...	0	0	4				Black stone...	0	0	9			
Blue metal ...	2	3	0				<i>Brockwell Seam</i> —						
Seggar-clay ...	0	4	0				COAL ...	0	4	4			
Grey metal ...	1	1	4								9	1	1
COAL ...	0	2	10										
				9	1	2	White post ...	1	5	0			
Seggar-clay ...	0	5	0				Blue metal ...	0	4	0			
Black stone...	0	1	6								2	3	0
Grey metal ...	0	4	6										
Black stone...	0	3	4										
Grey metal ...	0	0	3										
Black stone...	0	1	6										
Carried forward	2	4	1	29	2	10	Total ...				77	3	8

No. 2,422.—BIRTLEY.

TOWNSHIP OF BIRTLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat.

, Long.

Account of Boring in the Second Place at Birtley, near Bishopland Ground, about 150 yards to the North-east from the House. May 16th, 1765.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay	3	1	6				Brought forward	3	3	3	5	2	9
				3	1	6	Grey metal stone ...	2	1	0			
Soft brown and grey metal ...	1	0	0				Black metal...	0	5	0			
COAL , will not cake or burn to any cinder ...	0	1	3					Ft. In.					
				1	1	3	COAL ...	1	4				
Brown and grey scamy metal stone	0	5	0				Soft blue metal	0	7				
Black metal...	0	0	3				COAL , soft and foul ...	0	4				
COAL ...	0	0	9				COAL , with water near the top ...	2	4				
				1	0	0			0	4	7		
Brown and grey scamy metal ...	3	1	6				Dunnish grey metal, into ...	0	0	6			
Mixture whin ...	0	1	9							0	0	6	
Carried forward	3	3	3	5	2	9	Total ...			12	5	1	

No. 2,423.—BIRTLEY.

TOWNSHIP OF BIRTLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. $54^{\circ} 53' 45''$, Long. $1^{\circ} 35' 14''$.

Account of Strata bored through on Land at Birtley for The Birtley Iron Company, Limited. Commenced April 3rd, 1901.

Approximate surface-level 85 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	10				Brought forward	1	5	9			
Yellow sandy clay, with streaks of blue clay	0	1	8				Blue loamy clay ...	0	4	9			
Yellow sandy clay...	0	2	0				Brown loamy clay, rather soft ...	1	1	0			
Brown sand, with a little water ...	0	1	0				Brown laminated clay	2	2	0			
Blue loam, with thin bands of blue clay	1	0	3				Strong brown clay, into	2	0	6			
											8	2	0
Carried forward	1	5	9				Total				8	2	0

No. 2,427.—BIRTLEY.

TOWNSHIP OF BIRTLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 39", Long. 1° 35' 1½".

Account of Strata bored through in No. 14 Bore-hole at Birtley for Messrs. T. Blythe & Sons.

Approximate surface-level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	9				Brought forward	3	0	6			
Yellow sandy clay, with water ...	1	0	9				Brown clay, with thin sand partings, into	0	1	6			
Brown loamy clay, with sand partings	1	5	0								3	2	0
Carried forward	3	0	6				Total ...				3	2	0

No. 2,428.—BIRTLEY.

TOWNSHIP OF BIRTLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 43", Long. 1° 35' 5".

Account of Strata bored through in No. 1 Bore-hole at Birtley, in the Union Brickworks, for Messrs. Todd, Birleson & Co. Commenced March 20th, 1901.

Approximate surface-level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	0	0	9				Brought forward	1	2	0			
Yellow sandy clay, with streaks of blue clay	1	0	3				Light brown lamin- ated clay	5	0	6			
Brown clay, with thin sand partings and a little water	0	1	0				Strong brown lamin- ated clay	3	3	6			
Carried forward	1	2	0								10	0	0
							Total ...				10	0	0

No. 2,429.—BIRTLEY.

TOWNSHIP OF BIRTLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 42", Long. 1° 35' 4½".

Account of Strata bored through in No. 2 Bore-hole in the Union Brickworks, Birtley, for Messrs. Todd, Birleson & Co. Commenced March 25th, 1901.

Approximate surface-level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dark soil	0	1	0				Brought forward	2	3	0			
Yellow sandy clay ...	0	1	6				Strong dark brown clay	0	1	6			
Yellow sandy clay, with streaks of blue clay	0	2	0				Light brown lami- nated clay... ..	0	5	6			
Yellow sand, with a little water	0	0	6				Strong brown clay... ..	4	5	0			
Brown clay, with thin sand partings	0	3	0				Light brown lami- nated clay... ..	1	3	0			
Brown laminated clay	1	1	0								10	0	0
Carried forward	2	3	0				Total ...				10	0	0

No. 2,430.—BIRTLEY.

TOWNSHIP OF BIRTLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 44", Long. 1° 35' 6".

Account of Strata bored through in No. 4 Bore-hole for Messrs. Todd, Birleson & Co., commencing at the bottom of the Clay Pit, Birtley, about 50 feet below the level of the surface. Commenced April 18th, 1901.

Approximate surface-level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Bluish brown clay...	0	4	9				Brought forward	8	5	0			
Reddish brown clay	1	1	3				Very fine light grey						
Bluish brown clay...	5	1	4				sand, with streaks						
Bluish brown loamy							of coal wash ...	1	2	0			
clay, with loam							Dark grey sand and						
partings and occa-							streaks of coal						
sional small pebbles	0	4	8				wash, with water						
Bluish brown clay...	0	1	9				at 66 ft. 6 in. ...	2	5	0			
Bluish brown loamy											13	0	0
clay ...	0	1	9										
Fine grey loamy													
sand, with clay													
partings ...	0	1	6										
Carried forward	8	5	0				Total ...				13	0	0

No. 2,431.—BIRTLEY.

TOWNSHIP OF BIRTLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 40", Long. 1° 33' 45".

Account of Strata sunk and bored through in the Wash House Pit, East from Birtley and North of Portobello.

Approximate surface-level 323·6 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	0	4	0				Brought forward				13	3	9
Soil ...	0	0	10				Black thill stone and						
Yellow clay, with							seggar ...	0	3	0			
stones ...	0	5	2				COAL ...	0	1	9			
Blue clay, with											0	4	9
stones, a little sand							Seggar ...	0	2	6			
and water ...	1	0	0				Grey metal ...	1	3	0			
				2	4	0	Mild grey post, with						
Soft blue metal ...	1	4	0				whin balls ...	4	1	0			
Black shale ...	0	0	6				Grey metal ...	0	5	0			
COAL ...	0	1	6				<i>Five-Quarter Seam—</i>						
				2	0	0	COAL ...	0	2	8			
Thill stone ...	0	2	0								7	2	2
Seggar ...	0	4	0				Seggar ...	0	2	0			
Soft grey metal,							Grey post, very						
with iron boulders	1	3	0				jointy ...	2	4	0			
Soft blue metal ...	1	0	0				Grey metal ...	0	4	0			
Soft grey post ...	1	1	0				Black shale ...	0	3	0			
White post, very							Grey metal ...	2	0	0			
jointy ...	4	1	0				Strong grey post, in-						
Blue metal ...	0	0	6				clined to whin ...	0	2	4			
COAL ...	0	0	3				Blue metal ...	2	0	0			
				8	5	9	Strong grey metal...	0	4	0			
Carried forward				13	3	9	Carried forward	9	1	4	21	4	8

No. 2,431.—BIRTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	1	4	21	4	8
Blue metal, with iron girdles ...	2	5	0			
Black stone... ..	0	0	4			
<i>Main Coal Seam—</i>						
COAL	1	0	0			
				13	0	8
Seggar	0	3	0			
Dark blue metal, with iron balls ...	1	0	0			
Soft grey metal ...	1	0	0			
Blue and grey metal, with post girdles, hitch leader here	3	3	7			
<i>Maudlin Seam—</i>						
COAL	0	5	1			
				6	5	8
Seggar	0	2	0			
Grey post	1	0	0			
Whin girdle	0	1	0			
Soft blue metal ...	1	0	4			
COAL, coarse	0	0	8			
				2	4	0
Strong seggar, inclined to post ...	0	3	0			
Strong grey post, walling bed here	0	4	9			
COAL	0	0	9			
				1	2	6
Seggar	0	0	6			
Strong grey post ...	0	3	0			
Grey metal	0	5	3			
Blue metal	0	3	6			
Grey metal, with thin post girdles...	1	2	6			
Strong white post, with silvery partings, scared with coal	2	1	3			
Strong grey metal...	0	2	0			
Hard white post, mixed with whin	0	3	0			
Strong grey metal, with thin post girdles ...	0	3	0			
Blue metal	1	3	2			
<i>Low Main Seam—</i>						
COAL	0	2	10			
				9	0	0
Coarse seggar ...	0	3	0			
Blue metal	1	1	2			
COAL, coarse	0	0	7			
				1	4	9
Grey metal	0	2	9			
Hard post girdle...	0	1	3			
Black stone... ..	0	1	6			
Grey metal	0	4	0			
Hard white post ...	0	3	0			
Grey leafy post ...	1	4	3			
Carried forward	3	4	9	56	4	3

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	9	56	4	3
Blue metal	0	4	6			
<i>Hutton Seam—</i>						
COAL	4	6				
COAL, bottom	0	6				
				0	5	0
				5	2	3
Strong seggar	0	1	3			
Grey post	1	2	0			
Strong white post...	0	2	0			
Black stone, scared with coal	0	1	0			
Seggar, with iron balls inclined to grey metal ...	0	4	0			
Strong grey metal, with iron balls and post girdles ...	3	0	3			
Strong white post, mixed with whin	2	4	0			
Blue and black metal	0	2	0			
COAL	0	0	2			
				8	4	8
Dark blue metal ...	0	3	0			
Strong grey post ...	0	3	0			
Dark grey metal, with post girdles	1	1	0			
COAL	0	0	10			
				2	1	10
Strong seggar	0	2	6			
Light blue metal, with iron girdles	2	4	0			
Strong grey post ...	0	2	6			
Blue metal, with iron balls ...	1	0	0			
Black metal... ..	1	3	5			
COAL	0	0	7			
				6	1	0
Seggar	0	1	0			
Grey post	0	3	6			
COAL	0	0	3			
				0	4	9
Seggar	0	1	6			
Grey post	1	1	0			
Grey metal	0	1	6			
Hard white post ...	0	2	3			
Blue metal	0	1	4			
COAL	0	0	8			
				2	2	3
Seggar	0	1	0			
Strong grey metal, with iron girdles	3	2	0			
COAL	0	0	2			
				3	3	2
Seggary post	0	3	0			
White post	1	1	3½			
COAL, coarse	0	0	0½			
				1	4	4
Carried forward	87	4	6			

No. 2,431.—BIRTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				87	4	6	Brought forward	1	3	2	116	1	6
Soft seggar ...	0	0	8				Whin ...	0	1	0			
Grey metal ...	1	3	10				Grey and blue metal	2	1	7			
Whin girdle ...	0	0	6				COAL ...	0	1	6			
Grey and white post ...	1	0	9								4	1	3
Grey metal ...	0	2	9				Seggar ...	0	1	3			
<i>Towneley Main or Beaumont Seam—</i>							Grey and blue metal	1	0	0			
	Ft.	In.					Post ...	0	2	6			
COAL ...	0	11					Blue metal and iron girdles	1	0	3			
Band ...	0	1					COAL ...	0	0	8			
COAL ...	1	4									2	4	8
COAL , splint	0	5					Blue metal ...	0	2	4			
			0	2	9		Grey metal ...	0	3	0			
				3	5	3	COAL ...	0	0	5			
Posty seggar ...	0	1	7								0	5	9
COAL ...	0	0	2				Grey metal ...	1	1	6			
				0	1	9	Hard iron grey post	0	2	0			
Seggar ...	0	1	6				Blue metal and girdles	0	4	0			
Very dark grey post	1	4	0				White post, very hard	1	0	4			
White sandy post or freestone	8	1	0				Dark blue metal	0	1	2			
Seggar and grey metal	2	4	0				Grey post	0	2	4			
White post	8	5	0				Blue metal	0	2	10			
			21	3	6		Grey and blue metal, with iron girdles	2	1	2			
				113	3	0	White post, very hard	1	2	0			
<i>Bored further:—</i>							Grey metal, with iron girdles	1	2	10			
Grey and blue metal	2	3	9				Black shale	0	1	0			
COAL ...	0	0	9				Dirty black sand-bed, very soft	0	2	2			
				2	4	6	Mild grey post	1	1	1			
Seggar ...	0	1	2								11	0	5
Grey post and grey metal	1	2	0										
Carried forward	1	3	2	116	1	6	Total ...				135	1	7

No. 2,432.—BIRTLEY.

TOWNSHIP OF BIRTLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 52' 45", Long. 1° 34' 43".

Account of Strata bored through in a field near to Mr. Robert Wilson's Brickworks at Birtley for Lady Ann Blunt. Commenced March 1st, 1901.

Approximate surface-level 98 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	3				Brought forward	3	0	6			
Yellow sandy soil, water at bottom...	0	3	5				Brown laminated clay	0	1	9			
Soft yellow sand ...	0	5	4				Brown loamy clay, with streaks of sand	0	3	0			
Grey loamy clay, rather soft, with thin sand partings	1	2	6				Strong brown clay...	6	0	9			
											10	0	0
Carried forward	3	0	6				Total ...				10	0	0

No. 2,433.—BISHOP AUCKLAND.

TOWNSHIP OF BISHOP AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 39' 50", Long. 1° 41' 14".

Account of Strata bored through in a field near the West Mill Dam Head, Bishop Auckland, about 60 yards from, and nearly on a line with, the Dam, on the South Side of the River, by W. Coulson & Son. Commenced November 23rd, 1874.

Approximate surface-level 240 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	4	0				Brought forward	0	0	9	25	4	3
Gravel, with water	4	3	0				Strong grey metal,						
Sand and water ...	1	3	0				with post girdles	3	4	10			
Gravel	0	2	0				White post mild, the						
Sand and gravel ...	0	5	10				water went away						
				7	5	10	at 2 ft. into this						
Grey metal	0	2	4				bed	2	1	0			
White post, with a							COAL	0	0	3			
little water	3	0	2								6	0	10
Grey metal	1	1	2				Grey metal	3	0	10			
COAL	0	4	0										
				5	1	8	COAL, coarse						
Blue metal	0	3	8				Pt. In.						
Light grey metal ...	0	4	0				0 8						
White post and							Dark brown						
metal girdles	0	5	0				metal band	0	1½				
Hard white post ...	1	0	6				COAL	0	8½				
Blue metal	0	5	8							0	1	6	
Hard post	0	2	9										
Dark grey metal ...	5	2	3										
Light grey metal,							Dark grey metal ...	0	0	8			
with black bands	2	1	2				Grey metal	1	1	6			
							White post	3	4	11			
COAL	0	5					Whin girdle	0	0	8			
Grey metal							White post	1	2	0			
band	0	7					Grey metal and post						
COAL, danty	0	9					girdles	3	0	2			
				0	1	9	COAL, with slate						
							partings	0	0	7			
				12	2	9					9	4	6
Black metal, with							Dark grey metal ...	0	0	5			
coal pipes	0	0	6				White post	1	4	0			
Dark grey metal ...	0	0	3				Grey metal	4	0	7			
							Whin stone, into ...	0	0	11			
											5	5	11
Carried forward	0	0	9	25	4	3	Total				50	5	10

No. 2,434.—BISHOP MIDDLEHAM.

TOWNSHIP OF BISHOP MIDDLEHAM, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 40' 40", Long. 1° 28' 55".

Boring near Bishop Middleham. 1839.

Approximate surface-level 308 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Limestone				30	5	2	Brought forward	10	3	2	30	5	2
Grey metal	0	4	9				Supposed Five-						
Brown, white and red							Quarter Seam—						
post, with water...	6	0	4				COAL	0	3	0			
Metal	3	4	1								11	0	2
Carried forward	10	3	2	30	5	2	Carried forward				41	5	4

No. 2,434.—BISHOP MIDDLEHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				41	5	4	Brought forward		7	3	11	65	0	9
Grey and black metal ...	0	1	2				Metal stone post girdles ...		2	5	1			
Grey and white post Metal and metal stone ...	6	3	9				COAL , foul ...		0	0	4			
COAL ...	9	4	4								10	3	4	
	0	2	10				Grey metal ...		0	0	10			
				17	0	1	White and grey post		2	3	7			
Metal and metal stone ...	5	4	4				Metal stone ...		10	5	4			
COAL , foul ...	0	3	0				COAL ...		0	2	10			
				6	1	4					14	0	7	
Metal and metal stone ...	6	5	11				Grey metal ...		0	0	3½			
White post ...	0	4	0				COAL , foul ...		0	0	7½			
											0	0	11	
Carried forward	7	3	11	65	0	9	Grey metal, into ...		0	2	2			
											0	2	2	
							Total ...				90	1	9	

No. 2,435.—BISHOP MIDDLEHAM.

TOWNSHIP OF BISHOP MIDDLEHAM, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in Bishop Middleham Pit. March 11th, 1844.
 Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold of the supposed <i>Five-Quarter Seam</i>	47	0	0				Brought forward		6	2	2	57	1	10
COAL ...	2	3					Grey metal, with post girdles ...		1	1	10			
Splint ...	0	9					Dark metal, with girdles ...		1	1	5			
				0	3	0	Grey metal stone, with post girdles		1	1	0			
				47	3	0	White post, mixed with whin ...		0	2	9			
Box ...	4	3	0				Dark grey metal ...		0	4	8			
Grey metal stone, with post girdles	1	1	4				Dark metal, mixed with coal ...		0	0	5			
Grey post ...	0	2	4				Grey metal stone, with girdles		1	3	9			
Soft grey metal ...	0	1	10				COAL ...		0	3	2			
COAL ...	0	1	3								13	3	2	
				6	3	9	Grey metal stone ...		0	4	11			
Dark metal, scared with coal ...	0	0	10				Dark metal, scared with coal ...		0	0	6			
Grey metal stone, with post girdles	2	5	10				COAL ...		0	2	8			
COAL , foul ...	0	0	5								1	2	1	
				3	1	1	Grey metal stone, with post girdles		2	0	0			
Grey post ...	0	4	8				Whin ...		0	2	4			
Grey metal, with post girdles	0	2	9				Grey metal stone, with girdles		5	1	5			
White post, with a strong feeder of water and whin in some places	1	1	6				White post ...		7	2	6			
Grey metal stone inclining to post, with strong post girdles	3	4	9				Strong grey metal stone, with girdles		0	3	8			
Black metal...	0	0	6				Strong white post, mixed with whin at the top and metal parting		3	5	1			
Carried forward	6	2	2	57	1	10	Carried forward		19	3	0	72	1	1

No. 2,435.—BISHOP MIDDLEHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	19	3	0	72	1	1	Brought forward	25	4	3	72	1	1
Whin ...	1	0	0				COAL ...	0	2	0			
Strong white post,											26	0	3
mixed with whin	3	2	7				Grey metal ...	0	3	0			
Grey metal ...	1	2	7				White post ...	0	2	9			
Black stone...	0	2	1				Whin ...	0	2	1			
											1	1	10
Carried forward	25	4	3	72	1	1	Total sunk and bored ...	99	3	2			

No. 2,436.—BISHOP MIDDLEHAM.

TOWNSHIP OF BISHOP MIDDLEHAM, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Strata bored through on Mr. Trotter's Grounds, Bishop Middleham, by W. Coulson. 1839.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Peaty soil ...	0	1	6				Brought forward	6	5	1	40	1	4
Yellow and white							Brown and yellowish						
clay ...	0	2	6				post, gully ...	0	4	7			
Sand and clay, with							Dark grey metal,						
water ...	3	5	0				thready ...	0	2	5			
				4	3	0	Red post, with red						
Marly limestone ...	3	0	0				metal partings ...	1	5	0			
Strong brown lime-							Strong grey metal,						
stone, with water	9	5	0				with ironstone						
Dark yellow lime-							girdles ...	2	1	8			
stone, with water	3	0	0				Black metal...	0	0	6			
Strong brown lime-							Grey metal ...	1	2	1			
stone, with water	3	2	0				Black metal...	1	0	6			
Strong white lime-							Black stone...	0	0	6			
stone ...	12	5	5				COAL , foul ...	0	0	6			
Grey metal, with											14	4	10
post girdles ...	0	0	9				Strong grey metal						
Strong brown whin,							stone, with post						
with partings near							girdles ...	2	1	7			
the bottom ...	2	0	10				Grey metal, with						
Strong grey post,							coal pipes ...	0	0	10			
with metal part-							Dark grey metal,						
ings ...	0	5	1				mixed with coal...	0	1	3			
Strong grey post,							Dark grey shivery						
mixed with whin	0	1	5				post ...	0	2	8			
Soft light blue metal	0	1	10				Dark grey and black						
				35	4	4	metal ...	0	2	3			
Soft red metal ...	2	0	7				COAL ...	0	1	1			
Red post, with a											3	3	8
strong feeder of							Grey post, mixed						
water (rose out of							with metal ...	3	0	6			
the top of the hole)	1	5	0				COAL ...	0	2	7			
Grey metal stone,											3	3	1
dark at the bottom,							Grey metal ...	1	0	0			
with ironstone							Grey post, with						
girdles ...	1	1	1				metal partings ...	1	0	0			
Black metal, mixed							Strong white post,						
with coal ...	0	0	5				into ...	1	3	5			
Strong grey post ...	1	2	6								3	3	5
Dark grey metal ...	0	1	6										
Carried forward	6	5	1	40	1	4	Total ...	65	4	4			

No. 2,437.—BLACK BOY.

TOWNSHIP OF COUNDON GRANGE, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 59", Long. 1° 37' 59".

Account of Strata sunk through at the Gurney Pit, Black Boy Colliery, from the Main Coal Seam to the Hutton Seam.—Continuation of No. 209.

Approximate surface-level 432 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.
Depth from Surface to <i>Main Coal Seam</i>				59	2	2						
Soft metal thill-stone	0	1	3									
COAL , danty, bad	0	1	10									
				0	3	1						
Black metal stone	0	2	6									
Soft thill-stone, mixed with bad coal	0	2	5									
Strong grey stone, mixed with lead- ore and calcareous spar	1	2	0									
Strong grey stone, mixed with post girdles	5	3	0									
Post	0	5	0									
Blue metal	0	3	0									
Post	8	0	0									
Whin	0	3	6									
Post	1	5	0									
Post, with blue part- ings	0	2	6									
Black shale	0	0	6									
<i>Low Main Seam—</i>												
COAL	0	1	9									
				20	1	2						
Black stone	0	0	2									
Seggar-clay	0	0	11									
Post	0	0	9									
Blue metal	0	2	0									
Post	0	1	0									
Blue metal	6	0	1									
COAL												
Seggar-clay band	0	2										
Car. forward	2	5	6	4	11	80	0	5				

	Ft.	In.	Ft.	In.	Fs.	Ft.	In.	
Brot. forward	2	5	6	4	11	80	0	5
COAL	1	4						
			0	3	9			
						7	2	8
Seggar-clay	0	2	0					
Grey metal	0	4	0					
Whin	0	3	6					
Dark blue metal	1	1	1					
COAL	0	0	3					
						2	4	10
Seggar-clay	1	1	8					
COAL	0	0	7					
						1	2	3
Seggar-clay	0	1	0					
Grey metal, with post bands	1	4	6					
Blue metal	5	1	11					
<i>Hutton Seam—</i>								
	Ft.	In.						
COAL	2	9						
COAL , splint	0	6						
			0	3	3			
						7	4	8
Seggar-clay	0	2	0					
Grey metal	1	0	2					
Strong white post	1	3	0					
Blue metal	0	4	10					
COAL	0	0	6					
						3	4	6
Seggar-clay	0	0	6					
Strong grey metal, with blue partings	0	3	6					
						0	4	0
Total	103	5	4					

No. 2,438.—BLACKHALLS.

TOWNSHIP OF MONK HESLEDEN, DURHAM.

Sheet 29 of Ordnance Map. Lat. 54° 44' 31", Long. 1° 16' 17".

Section of No. 1 Diamond Bore-hole, at Blackhalls, stopped on November 1st, 1894.

Approximate surface-level 140 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown pinnel* and gravel 	8	2	0				Brought forward	8	2	0			
							Gravel and cobbles...	0	2	0			
Carried forward	8	2	0				Carried forward	8	4	0			

* Boulder clay.

No. 2,438.—BLACKHALLS.—CONTINUED.

[illegible]

No. 2,438.—BLACKHALLS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	9	156	1	3	Brought forward	17	4	11	168	4	0
Grey sandstone, with vertical joints ...	0	3	6				White micaceous sandstone ...	0	0	10			
Grey sandstone ...	0	3	5				Grey shale ...	0	1	0			
COAL ...	0	0	6				Black shale ...	0	1	6			
				4	2	2	COAL ...	0	2	0			
Fire-clay ...	0	1	0								18	4	3
Dark grey shale, with plant fossils	0	2	6				Fire-clay ...	0	0	9			
Black stone, with foul coal ...	0	1	3				Dark grey shale ...	1	0	3			
COAL ...	0	0	9				Grey sandy shale ...	0	4	0			
				0	5	6	Grey sandstone ...	1	0	9			
Dark grey shale ...	0	3	3				Grey sandy shale ...	0	1	0			
							Grey sandstone ...	0	2	6			
COAL ...	1	9					Grey sandy shale, with girdles of ironstone ...	1	2	6			
Black shale and foul coal ...	0	3					COAL ...	0	0	6			
COAL ...	0	6									5	0	3
COAL , foul... 1 0							Fire-clay ...	0	1	6			
				0	3	6	Grey sandy shale ...	0	1	0			
				1	0	9	Dark grey sandy shale ...	2	0	3			
Fire-clay ...	0	0	10				COAL ...	0	0	10			
Grey shale ...	0	1	6								2	3	7
Grey shale, with ball stones ...	0	5	0				Fire-clay ...	0	0	1			
Grey shale ...	2	2	9				Grey sandstone ...	0	1	0			
Grey sandy shale ...	0	4	0				Fire-clay, with partings of shale ...	0	2	3			
Dark grey shale ...	1	2	11				Grey sandy shale, with ball stones...	0	2	4			
Black shale ...	0	0	8				Grey sandy shale ...	0	1	2			
COAL ...	0	0	8				Grey sandstone ...	0	1	6			
				6	0	4	Grey sandy shale, with bands of sandstone ...	0	2	6			
Black shale or foul coal ...	0	0	4				Grey sandstone ...	0	0	7			
Grey sandy shale ...	1	2	2				Grey sandy shale, with bands of sandstone ...	0	2	2			
Greysandstone, with girdles of shale	0	2	6				COAL ...	0	1	8			
White sandstone ...	1	2	6								2	3	3
Dark grey shale ...	0	3	0				Black shale...	0	0	3			
Dark grey sandy shale ...	0	4	0				Grey sandstone, with vegetable fossils...	0	2	0			
White sandstone ...	0	1	0				Grey sandstone, with bands of shale ...	1	3	10			
Dark grey shale ...	1	1	0				COAL ...	0	0	4			
Dark grey shale, with bands of sandy shale ...	3	4	0								2	0	5
Grey shale ...	0	1	0				Fire-clay ...	0	1	6			
Grey sandstone ...	1	1	0				Grey shale ...	2	4	8			
White sandstone, slightly micaceous	1	4	0				Grey sandy shale, with vegetable matter ...	0	2	9			
White sandstone ...	0	0	9				COAL ...	0	1	0			
White micaceous sandstone ...	2	5	9								3	3	11
Coarse white micaceous sandstone ...	1	0	6				Dark grey shale, with vegetable matter	0	3	4			
Grey sandy shale ...	0	0	2				Fire-clay ...	0	1	0			
White micaceous sandstone ...	1	0	3				Grey sandstone, with bands of shale ...	1	3	9			
Grey sandy shale ...	0	1	0										
Carried forward	17	4	11	168	4	0	Carried forward	2	2	1	203	1	8

No. 2,438.—BLACKHALLS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	1	203	1	8	Brought forward	9	3	11	218	1	2
White micaceous sandstone, with bands of shale ...	1	1	8				Dark grey shale ...	0	0	11			
COAL ...	0	0	6				Dark grey sandy shale ...	0	2	0			
				3	4	3	Dark grey sandy shale, with bands of sandstone ...	1	1	6			
Black shale and foul coal ...	0	0	4				White micaceous sandstone, with bands of shale ...	2	0	2			
Dark grey shale ...	0	1	0				Dark grey shale ...	1	3	4			
White sandstone ...	0	2	1				Coarse grey sandstone ...	1	3	0			
Dark grey shale ...	0	5	4				Dark grey shale ...	0	3	6			
White micaceous sandstone ...	0	1	2				Grey sandy shale ...	0	1	6			
Dark grey shale ...	0	2	0				Dark grey shale ...	0	4	0			
Black stone or coal, foul ...	0	0	4				Black stone, broken	0	3	0			
Grey sandstone ...	0	1	6				Black stone, with 1 inch of foul coal	0	1	0			
Fire-clay ...	0	0	9				Fire-clay ...	0	0	6			
White micaceous sandstone, with bands of shale ...	1	2	10				Grey sandy shale ...	0	5	6			
Grey sandstone, with bands of shale ...	0	1	9				Dark grey shale ...	0	1	0			
Black shale...	0	2	0				Grey sandstone, with shale bands ...	0	3	0			
Dark grey shale ...	1	0	6				Grey sandstone ...	1	4	10			
Grey shale ...	2	0	0				Dark grey shale, with sandstone bands...	1	2	8			
Grey sandy shale ...	0	3	9				Black shale...	0	2	9			
COAL ...	0	0	5	8	1	9	COAL ...	0	0	3	24	0	4
Fire-clay ...	0	0	6				Dark grey sandstone	0	1	3			
Black shale, with coal-veins ...	0	1	4				Coarse white sandstone, with mica and thin veins of coal at top of bed	3	0	3			
COAL ...	0	0	7	0	2	5	Very coarse white sandstone, with bands of shale ...	1	4	6			
Black shale...	0	0	10				Soft dark fire-clay and black shale, with thin veins of coal ...	0	2	6			
Fire-clay ...	0	1	1				Grey sandy shale ...	1	1	0			
Dark grey shale, with vegetable fossils	1	4	11				White sandstone ...	0	1	0			
COAL ...	0	2	3	2	3	1	Grey sandstone ...	0	4	6			
Fire-clay ...	0	0	1				Grey sandy shale ...	0	2	0			
Dark grey sandy shale, with vegetable fossils ...	3	0	9				Dark grey shale ...	2	1	0			
White and grey micaceous sandstone ...	4	2	0				Grey sandstone ...	0	2	6			
Dark grey micaceous sandstone ...	0	0	4				White micaceous sandstone ...	4	3	0			
Dark grey shale ...	0	2	5				Dark grey gritty sandstone, with vertical joints ...	0	1	6			
Light grey shale ...	0	1	8				White sandstone ...	1	4	6	16	5	6
White sandstone ...	0	3	7										
Dark grey shale ...	0	1	5										
White sandstone, with bands and veins of shale ...	0	3	8										
Carried forward	9	3	11	218	1	2	Total ...	259	1	0			

No. 2,439.—BLACK HILL.

TOWNSHIP OF BENFIELDSDIE, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 51' 19", Long. 1° 49' 6".

Section of Strata between the Busty and Three-Quarter Seams, in Third South Way, Black Hill Drift, Conselt Collieries.

Approximate surface-level of top of bore-hole, 692·15 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	2	0			Brought forward	2	4	0	1	3	0
Clay and iron	1	1	0			White post ... ..	...	0	1	1		
					1	3	0	Blue plate ... ..	...	0	2	5	
Dark post	0	1	0			White post ... ..	...	0	0	6		
Blue plate	0	2	0			Blue plate ... ..	...	0	1	8		
Iron band	0	0	6			White post ... ..	...	1	4	10		
Dark post	0	1	0			Iron band ... ..	...	0	0	9		
Iron band	0	0	3			White post ... ..	...	0	2	7		
Dark plate	0	3	0			Dark plate ... ..	...	0	0	5		
White post	0	0	9			White post ... ..	...	0	0	7		
Blue plate	0	2	0			Blue plate ... ..	...	1	1	2		
Iron band	0	0	2			Three-Quarter Seam—						
Dark plate	0	0	10			COAL ... ..	...	0	1	8		
White post	0	2	0							7	3	8
Blue plate	0	2	6									
Carried forward	2	4	0	1	3	0	Total ... ..	...	9	0	8		

No. 2,440.—BLACK HILL.

TOWNSHIP OF BENFIELDSDIE, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 51' 42", Long. 1° 49' 29".

Section of Strata bored through between the Busty and Three-Quarter Seams, in Old Lizzie Way, near Stable Dyke, Black Hill Drift, Conselt Collieries, August, 1894.

Approximate surface-level of top of bore-hole, 669·15 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal	1	4	0			Brought forward	4	1	9			
Post	0	1	6			Post ...	...	0	1	0		
Blue metal	0	2	6			Blue metal ...	...	0	2	6		
Post	0	0	5			Post ...	...	0	1	7		
Blue metal	0	5	0			Blue metal ...	...	0	4	0		
Post	0	0	4			Post ...	...	0	3	6		
Blue metal	0	2	0			Three-Quarter Seam—						
Post	0	1	0			COAL ...	...	0	2	3		
Blue metal	0	3	0							6	4	7
Carried forward	4	1	9				Total ...	...	6	4	7		

No. 2,441.—BLANCHLAND.

TOWNSHIP OF SHOTLEY HIGH QUARTER, NORTHUMBERLAND.

Sheet 108 of Ordnance Map. Lat. 54° 51' 1", Long. 2° 3' 20½".

Account of Strata sunk through at Shildon, 1 Mile West of Blanchland.

Approximate surface-level 850 feet above sea (Ordnance datum).

No. 2,441.—BLANCHLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hipple ...	7	0	0										
				7	0	0							
Plate ...	7	0	0										
High Grit ...	8	3	6										
Plate and coal ...	0	3	3										
				16	0	9							
Plate and white sill	1	1	9										
Plate, coal and plate	3	0	6										
				4	2	3							
Low Grit ...	11	0	6										
Plate ...	1	4	9										
Pebbles ...	1	0	0										
Plate, limestone, post and hazle	1	4	0										
Crag Sill ...	4	2	0										
Plate ...	4	3	6										
Pattinson's Sill	6	4	6										
White sill ...	2	0	0										
Hazle ...	4	5	0										
Carried forward	38	0	3	27	3	0							
							Brought forward	38	0	3	27	3	0
							Plate ...	4	0	0			
							Hazle ...	0	3	0			
							Plate ...	2	1	0			
							Hazle ...	0	4	0			
							Plate ...	5	2	0			
							Little Limestone	2	1	0			
							Plate and coal	0	5	0			
											53	4	3
							High Coal Sill	1	1	3			
							Plate ...	2	0	0			
							COAL, etc. ...	0	3	0			
											3	4	3
							Low Coal Sill	1	2	0			
							White sill	3	4	0			
							Grey beds	0	0	8			
							Plate ...	1	0	0			
							Great Limestone, into						
											6	0	8
							Total ...				91	0	2

No. 2,442.—BLAYDON.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 57' 20", Long. 1° 42' 48".

Account of Seams met with in sinking the Content Pit, Blaydon Main Colliery.

Approximate surface-level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strata from surface	30	5	1				Brought forward	0	0	4½	37	5	9
Hodge Seam—							Five-Quarter Seam—						
							COAL	0	7½				
COAL, cannel	1	2					Band	1	3				
COAL	0	7					COAL	3	4½				
Bands	0	7½									0	5	3
COAL	0	6½											0 5 7½
				0	2	11	Strata	2	1	10			
				31	2	0	Three-Quarter Seam—						
Strata	6	1	3				COAL	1	6				
Stone Coal Seam—							Band	0	1				
							COAL	0	6				
COAL	2	6									0	2	1
				0	2	6							2 3 11
						6 3 9	Strata	6	0	5			
Band	0	0	4½				Brockwell Seam—						
							COAL, good	0	2	9			
											6	3	2
Carried forward	0	0	4½	37	5	9	Total ...				48	0	5½

No. 2,443.—BOWBURN.
TOWNSHIP OF QUARRINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43' 30", Long. 1° 30' 21".

*Account of Strata sunk and bored through at the Bowburn No. 1 Winning, about
200 Yards North-east of the Stockton and Durham Turnpike.*

Approximate surface-level 310 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	4	1	0	51	2	2
Yellow sandy clay, with a siping of water	2	5	6				<i>Hutton Seam, Lower</i> <i>Section—</i>						
Strong blue clay, stony	15	0	0				COAL, splinty ...	0	1	4			
Quicksand, with water	5	0	0								4	2	4
				23	1	0	Strong grey metal, mixed with post and a strong feeder of water				3	0	0
Strong grey post, with metal girdles	3	3	0				Strong white and grey post	2	5	0			
Strong white post, with water and metal partings and whin in some places	13	1	0				Dark grey metal, mixed with coal	0	2	0			
<i>Low Main Seam—</i>							Grey metal, with scares of coal at top	0	5	0			
COAL	0	2	4				Strong white post...	2	1	4			
				17	0	4	COAL, foul ...	0	0	7			
Grey metal	1	1	8								9	1	11
Grey metal stone, with post girdles	3	3	0				Strong grey metal, with thin post girdles and black partings	8	3	2			
COAL	0	0	8				Strong grey post ...	3	4	0			
				4	5	4	Grey whin	0	3	0			
Grey metal, with post girdles ...	1	2	0				Black stone or coal	0	0	3			
COAL	0	0	6				Strong grey post ...	0	5	0			
				1	2	6	Grey metal	0	4	0			
Grey metal, with post girdles ...	1	3	0				<i>Harvey Seam—</i>						
COAL	0	0	4				COAL	0	1	10			
				1	3	4					14	3	3
Grey metal, with post girdles and water	3	0	0				Grey metal and metal stone	2	2	9			
<i>Hutton Seam, Top</i> <i>Section—</i>							Darkish metal, with scares of coal at the bottom	1	3	5			
COAL	0	1	8				Strong grey metal ...	0	5	2			
				3	1	8	Strong white post, with some metal partings, into ...	19	1	5			
Strong grey metal...	0	3	0								24	0	9
Strong post, with water	1	2	0										
Strong grey metal...	2	2	0										
Carried forward	4	1	0	51	2	2	Total	103	4	5			

No. 2,444.—BOWDEN CLOSE.
TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 43' 5", Long. 1° 42' 58".

*Account of Strata bored through at Bowden Close Colliery.—Supplementary
to No. 256.*

Approximate surface-level 520 feet above sea (Ordnance datum).

No. 2,444.—BOWDEN CLOSE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Outset	1	4	0			Brought forward	...	3	1	9			
Clay	1	2	0			Seggar-clay ...	...	0	1	8			
					3	0	0	Grey post	0	1	10		
Blue metal	1	3	0			Grey stone ...	...	2	0	6			
COAL	0	0	1			Grey whin ...	...	1	2	0			
					1	3	1	Grey stone	0	1	0		
Seggar-clay	0	3	0			Grey whin ...	...	0	1	3			
Blue metal	4	0	8			Blue metal ...	...	0	0	4			
Grey post	0	2	6			<i>Upper Busty or</i>							
Grey stone	0	5	4			<i>Ballarat Seam—</i>							
COAL	0	0	6			COAL ...	...	0	1	5			
					6	0	0				4	4	0	
Seggar-clay	0	1	0			Seggar-clay ...	...	0	1	0			
Grey post	1	1	0			Post ...	...	3	1	0			
Grey stone	0	3	0			Blue metal ...	...	0	1	2			
Grey post	0	2	0			<i>Bottom Busty or Five-</i>							
Grey stone	0	2	4			<i>Quarter Seam—</i>							
COAL	0	0	7			COAL, splint	...	0	3				
					2	3	11	COAL ...	2	2				
Seggar-clay	0	0	4					0	2	5			
Grey post	0	5	4							3	5	7	
Whin	0	0	9			Seggar-clay ...	...	0	0	9			
Grey stone	2	1	3			Post ...	...	10	2	10			
Ironstone girdle	...	0	0	6			<i>B Seam—</i>							
Grey stone	1	0	0			COAL ...	...	0	2	0			
Ironstone girdle	...	0	0	5					10	5	7			
Grey stone	0	5	1			Grey stone ...	...	0	3	2			
COAL	0	0	6			Post ...	...	1	3	0			
					5	2	2	Grey stone	0	0	4		
Seggar-clay	0	1	3			Post ...	...	0	1	3			
Grey stone	5	1	8			Grey stone ...	...	0	0	4			
<i>Harvey Seam—</i>							Post ...	...	0	1	3		
COAL	0	2	6			Grey stone ...	...	0	0	4			
					5	5	5	Post	1	1	5		
Seggar-clay	0	1	0			Grey stone ...	...	0	0	2			
Grey stone	2	2	0			Post ...	...	0	4	4			
COAL	0	0	3			Grey stone ...	...	0	1	5			
					2	3	3	Post	0	3	4		
Black metal...	...	0	0	6			Grey stone ...	...	0	1	9		
Seggar-clay	0	2	0			Post ...	...	0	1	0			
Grey post	3	2	0			Blue stone ...	...	1	2	0			
<i>Yard Seam—</i>							<i>Main or Brockwell</i>							
COAL, mixed with							<i>Seam—</i>							
bands	0	3	5			COAL ...	...	0	3	6			
					4	1	11				7	3	0	
Carried forward					31	1	9	Total	58	1	11		

No. 2,445.—BOWDEN CLOSE.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 N.W. of Ordnance Map. Lat. 54° 43' 13", Long. 1° 42' 52".

Account of Strata bored through in Wilkins Gill, Bowden Close, on the Willington Estate. 1839.

Approximate surface-level 570 feet above sea (Ordnance datum).

No. 2,445.—BOWDEN CLOSE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	3	1	0				Brought forward	3	3	7	26	3	8
Sand	0	5	9				<i>Ballarat Seam—</i>						
Strong clay ...	5	1	1				COAL	0	1	8			
				9	1	10					3	5	3
Grey metal ...	4	0	5				Grey thill	0	1	4			
Black metal...	1	3	9				Grey and white post	1	4	1			
Grey metal ...	1	0	4				Blue metal	0	1	0			
Grey post girdles	0	2	9				<i>Five-Quarter Seam—</i>						
Grey metal stone	1	5	6				COAL , strong ...	0	2	4			
Grey metal ...	0	3	9								2	2	9
<i>Harvey Seam—</i>							Soft grey thill ...	0	1	0			
COAL , foul ...	0	3	7				White post, set away						
				10	2	1	the water at 10½						
Grey thill	0	1	0				feet	8	5	10			
Grey metal stone	2	2	6				Blue metal	0	1	2			
COAL	0	0	6				<i>B Seam—</i>						
				2	4	0	COAL , good	0	2	2			
Grey metal stone ...	3	3	11								9	4	2
<i>Yard Seam—</i>							Grey metal stone ...	3	1	0			
COAL							Strong white post ...	1	2	1			
Band							Whin girdle...	0	2	0			
COAL							White post	2	3	5			
							Grey metal stone ...	0	3	7			
							<i>Main Coal or Brock-</i>						
							<i>well Seam—</i>						
							COAL	0	3	10			
Dark metal	0	3	3								8	3	11
Grey metal stone ...	2	1	0				Dark grey thill, into				0	1	0
Dark metal	0	5	4										
							Total				51	2	9
Carried forward	3	3	7	26	3	8							

No. 2,446.—BRADBURY.

TOWNSHIP OF BRADBURY AND THE ISLE, DURHAM.

Sheet 43 of Ordnance Map. Lat. 54° 38' 20", Long. 1° 30' 21".

Account of Strata bored through at Bradbury, on the West side of the North Eastern Railway, 1,000 yards South of the Station. February, 1874.

Approximate surface-level 263 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	8				Brought forward				27	5	11
Brown clay	0	0	4				Light brown marl ...	11	3	6			
Blue clay and water	2	0	0				Hard light limestone,						
Sand and water ...	2	3	8				soft partings and						
Strong blue clay,							water	3	3	10			
stony	10	1	4				Very hard yellow						
Soft blue clay ...	2	0	0				limestone	2	0	7			
Soft loamy sand ...	2	0	0				Mild yellow limestone						
Sharp sand and							and hard girdles,						
water	0	4	0				with a 4 inches gul-						
Strong brown clay	3	2	6				let at 10 feet 4						
Loamy sand, with							inches from top ...	11	3	4			
water	0	4	6				Hard blue limestone	1	2	8			
Strong brown clay...	3	2	0				Light grey metal ...	0	5	8			
Yellow limestone ...	0	0	11				Grey post	3	1	6			
Strong brown clay...	0	4	0				Grey post, with metal						
				27	5	11	partings	1	0	6			
Carried forward				27	5	11	Carried forward	35	3	7	27	5	11

No. 2,446.—BRADBURY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	35	3	7	27	5	11	Brought forward	13	3	8	64	1	3
Hard grey post ...	0	3	9				Grey metal, mixed						
				36	1	4	with post ...	0	2	2			
Red metal ironstone							Hard whin ...	0	2	6			
balls ...	2	0	3				Grey metal post						
Dark grey metal ...	2	2	10				girdles ...	2	4	5			
Grey metal post							White post ...	1	0	1			
girdles ...	0	4	2				Dark grey metal						
Dark grey metal ...	1	4	0				post girdles ...	2	0	9			
Grey post, mixed							Grey post, with metal						
with whin ...	1	5	11				partings ...	4	4	6			
Dark grey metal,							Grey metal ...	1	3	9			
with post girdles...	2	3	0				Millstone grit, into	2	0	11			
Very hard grey post	2	1	6								28	4	9
Carried forward	13	3	8	64	1	3	Total ...				93	0	0

No. 2,447.—BRANCEPETH, NORTH.

TOWNSHIP OF BRANDON AND BYSHOTTLES, DURHAM.

Sheet 26 of Ordnance Map. Lat. $54^{\circ} 45' 38''$, Long. $1^{\circ} 36' 47''$.*Account of Strata sunk through in the Engineer Shaft, North Brancepeth New Winning, below the Busty Seam.—Continuation of No. 267.*

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward	2	4	4	89	5	1
to Busty Seam ...				79	2	0	Whin girdle...	0	2	7			
Post ...	9	4	9				Grey metal and post						
Blue metal ...	0	3	2				girdles ...	4	3	2			
COAL ...	0	1	2				Brockwell Seam—						
				10	3	1	COAL ...	0	3	2			
Seggar-clay ...	0	3	4								8	1	3
Grey metal and post							Seggar-clay ...	0	3	5			
girdles ...	1	2	8								0	3	5
Dark grey metal ...	0	4	4										
Carried forward	2	4	4	89	5	1	Total ...				98	3	9

No. 2,448.—BRANCEPETH.

TOWNSHIP OF BRANDON AND BYSHOTTLES, DURHAM.

Sheet 26 N.E. of Ordnance Map. Lat. $54^{\circ} 46' 22''$, Long. $1^{\circ} 39' 42''$.*Account of Strata sunk through at New Brancepeth Colliery, Messrs. Pease & Partners, No. 3 Pit, 12 feet in diameter.*

Approximate surface-level 373 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	6	0	0				Brought forward	7	0	1	6	0	0
				6	0	0	Grey metal, with						
Grey metal ...	1	0	4				girdles ...	2	1	4			
Grey and brown post	5	5	9				COAL ...	0	2	4			
											9	3	9
Carried forward	7	0	1	6	0	0	Carried forward				15	3	9

No. 2,448.—BRANCEPETH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				15	3	9	Brought forward	1	5	0	30	4	8
Grey metal, with post							<i>Busty Seam</i> —						
girdles ...	3	3	0					Ft. In.					
COAL ...	0	0	4	3	3	4	COAL ...	3	0				
							Band ...	0	0½				
Grey metal, with post							COAL, coarse	0	4				
girdles ...	3	5	6						0	3	4½		
											2	2	4½
COAL ...	Ft. In.						Grey metal ...	0	0	6			
Metal band ...	0	8½					Dark seggar-clay,						
COAL ...	0	10					with post girdles...	0	4	0			
Band ...	0	1½					Dark metal, with coal	0	1	6			
COAL ...	0	7½					Dark grey metal ...	1	0	0			
Black danty							Grey metal stone,						
metal ...	0	4					with girdles ...	3	5	0			
COAL ...	0	4					Dark metal ...	0	0	6			
				0	3	1	COAL ...	0	1	1			
				4	2	7					6	0	7
Grey metal ...	0	4	6				Grey post ...	1	2	0			
Grey post ...	0	4	0				Metal stone, inclin-						
Grey metal ...	0	1	10				ing to post ...	1	1	0			
COAL ...	0	0	4	1	4	8	Dark metal, with						
							girdles ...	0	3	0			
Grey metal ...	0	5	5				Metal stone, inclin-						
COAL ...	0	0	5				ing to post ...	3	0	0			
				0	5	10	Grey post ...	2	5	6			
Grey metal ...	0	1	0				Dark metal ...	0	2	0			
Grey post ...	0	4	6				<i>Brockwell Seam</i> —						
Grey post stone, with							COAL ...	0	3	1			
post girdles ...	3	1	3								9	4	7
<i>Top Busty Seam</i> —							Dark seggar-clay,						
COAL ...	0	1	9	4	2	6	with post girdles	0	1	0			
							Strong seggar-clay	0	4	7			
Grey metal ...	0	0	9				COAL ...	0	0	2			
Grey post ...	1	3	6								0	5	9
Dark metal ...	0	0	9				Seggar-clay ...	0	0	10			
							Post girdle and whin	0	2	0			
											0	2	10
Carried forward	1	5	0	30	4	8	Total ...				50	2	9½

No. 2,449.—BRANCEPETH, NEW.

TOWNSHIP OF BRANDON AND BYSHOTTLES, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 46' 19", Long. 1° 39' 24".

Account of Strata sunk through in No. 3 Shaft. Commenced on May 1st, 1893, and finished on October 3rd, 1893. This Shaft is sunk close to the Nos. 1 and 2 Shafts, belonging to Messrs. Cochrane & Company, Limited.

Approximate surface-level 380 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loose stones...	0	1	6				Brought forward	4	1	6			
Soil and sand	0	4	6				Strong brown clay						
Sand and gravel,							and stones ...	1	1	6			
with water ...	3	1	6				Strong loam and						
							stones ...	1	0	0			
Carried forward	4	1	6				Carried forward	6	3	0			

No. 2,449.—BRANCEPETH, NEW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	3	0				Brought forward	41	1	6			
Strong clay and stones ...	2	0	6				Blue metal, with iron girdles ...	1	1	2			
Clay, with sand and pebbles ...	3	3	6				COAL ...	0	0	6			
				12	1	0					1	1	8
Soft leafy post ...	0	3	0				Grey metal, with iron girdles ...	3	2	1			
Grey leafy post ...	3	3	4				<i>Top Busty Seam—</i>						
COAL ...	0	0	4				COAL ...	0	1	8			
				4	0	8					3	3	9
Fire-clay ...	0	4	4				Fire-clay ...	0	0	8			
Blue metal, with post girdles ...	2	3	0				Grey post ...	0	2	10			
Blue metal ...	3	3	2				White post ...	3	0	11			
Fire-clay ...	0	1	4				<i>Bottom Busty Seam—</i>						
Grey post ...	1	3	7				COAL ...	0	3	9			
White post ...	2	5	0								4	2	2
Grey post and whin	1	0	10				White post ...	1	4	0			
White post ...	1	1	9				Blue metal ...	0	1	2			
Blue metal ...	1	5	4				White post ...	4	1	5			
<i>Harvey Seam—</i>							Blue metal ...	1	4	3			
COAL ...	0	2	2				<i>Three-Quarter Seam—</i>						
				16	0	6	COAL ...	0	1	6			
Grey metal, with iron girdles ...	2	0	0								8	0	4
Fire-clay, with iron girdles ...	2	0	0				Blue metal ...	2	5	0			
COAL ...	0	0	8				COAL ...	0	0	2			
				4	0	8					2	5	2
Grey metal, with iron girdles ...	2	4	0				Bastard fire-clay ...	0	3	2			
COAL ...	0	2	4				Grey post ...	0	1	0			
				3	0	4	Blue metal and post girdles ...	3	2	5			
Fire-clay, with iron girdles ...	0	4	0				<i>Brockwell Seam—</i>						
Bastard fire-clay, with iron girdles	1	0	2				COAL ...	0	3	0			
COAL ...	0	0	2								4	3	7
				1	4	4	Bastard fire-clay ...	0	4	3			
Carried forward	41	1	6				Grey post ...	1	3	6			
							Blue metal ...	0	4	3			
											3	0	0
							Total ...	69	0	2			

No. 2,450.—BRANCEPETH, NEW.

TOWNSHIP OF BRANDON AND BYSHOTTLES, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 46' 9", Long. 1° 38' 25".

Account of Boring below Brockwell Seam, No. 2 Pit, New Brancepeth Colliery, in Smith's Royalty. Commenced in October, 1896, and finished in November, 1896, by Messrs. Cochrane & Company, Limited.

Approximate surface-level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Brockwell Seam—</i>							Brought forward	1	1	8			
Seggar-clay ...	0	4	0				Post ...	0	0	8			
Grey post ...	0	2	0				Blue metal ...	0	3	0			
Blue metal ...	0	1	8				Grey post ...	0	1	3			
Carried forward	1	1	8				Carried forward	2	0	7			

No. 2,450.—BRANCEPETH, NEW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	7				Brought forward	8	4	8			
White post	0	3	0			White post ...	...	0	0	8		
Seggar-clay	0	5	0			Dark blue metal ...	...	0	3	10		
Blue metal	0	1	0			<i>Victoria Seam—</i>						
White post	0	0	6			COAL ...	...	0	0	3		
Blue metal	0	4	0							9	3	5
Post	0	3	6			Blue metal ...	...	0	3	3		
Dark blue metal	1	4	0			Post ...	...	0	2	3		
Grey post	0	1	0			Grey post ...	...	0	3	0		
Blue metal	0	1	6			Blue metal ...	...	0	1	3		
Post	1	0	3			Post ...	...	1	2	6		
Grey post	0	3	6			White post ...	...	0	3	6		
Seggar-clay	0	0	10							3	3	9
Carried forward	8	4	8				Total ...	...	13	1	2		

No. 2,451.—BRANCEPETH, NEW.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 46' 50", Long. 1° 37' 59".

*Account of Strata passed through in a Staple sunk below the Brockwell Seam,
New Brancepeth Colliery, near Broom Hall, by Messrs.
Cochrane & Company, Limited.*

Approximate surface-level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Brockwell Seam—</i>							Brought forward	0	0	6	4	3	0½
COAL ...	Ft.	In.					Blue metal ...	...	0	0	9		
Band ...	0	3½					Whin ...	...	0	0	3		
COAL ...	2	2					Blue and iron girdles	1	4	6			
			0	3	1½		Strong grey post ...	0	1	0			
Seggar-clay ...	...	0	1	6			Blue metal ...	...	0	2	3		
Post ...	...	0	1	6			Strong grey post ...	0	3	0			
Blue metal ...	...	0	1	6			White post ...	...	0	1	4		
Post ...	...	0	0	7			Dark blue metal ...	...	0	1	8		
Blue metal ...	...	0	0	4			Strong post ...	...	0	1	6		
Post ...	...	0	1	0			Seggar-clay ...	...	1	0	10		
Blue metal ...	...	0	2	6			Grey post ...	...	0	1	0		
Post ...	...	0	1	0			Blue metal ...	...	0	0	5		
Blue metal ...	...	0	1	6			Grey post ...	...	0	2	0		
Post ...	...	0	0	10			Blue and iron girdles	0	0	6			
Mixture post and metal ...	...	1	0	6			Seggar-clay ...	...	0	2	6		
White post ...	...	0	2	2			Dark blue metal ...	...	0	0	9		
Blue metal ...	...	0	3	0			<i>Victoria Seam—</i>						
				3	5	11	COAL ...	...	0	1	4		
<i>Bored further in September, 1896:—</i>											6	2	1
Post ...	...	0	0	6			Mild seggar-clay ...	...	0	0	4		
Carried forward	0	0	6	4	3	0½	Strong blue metal ...	...	0	1	6		
											0	1	10
							Total ...	...	11	0	11½		

No. 2,452.—BRANDON.

TOWNSHIP OF BRANDON AND BYSHOTTLES, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 45' 44", Long. 1° 39' 12".

Account of Strata sunk through in Appleby Pit, Brandon Colliery, and a hole bored from the bottom of the same.

Approximate surface-level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Walling	1	4	7½	Brought forward				9	0	3	21	4	8
Freestone	4	4	6	Strong grey and									
Blue stone	1	2	0	brown post, with									
Low Main Seam—				partings				1	5	4			
COAL	0	2	5	Scamy post				0	1	1			
				COAL				0	0	5			
				8	1	6½					11	1	
Thill stone and grey							Thill	0	0	6			
metal	2	1	2				Grey metal	0	1	9			
Post	0	5	0				Post girdles	0	0	3			
Grey metal	1	0	8				Strong grey metal						
Blue metal	0	5	9				stone	2	0	6			
Brass Thill Seam—							Grey metal, with						
COAL	0	1	11				ironstone girdles...	2	5	5			
				5	2	6	Dark metal	0	5	6			
Thill stone and grey							Grey metal stone,						
metal	1	1	8				with post girdles...	0	3	0			
Post	0	2	10				White post, with						
Blue stone	2	1	11				whin girdles	7	4	8			
Post	0	2	10				Grey metal	0	0	7			
Blue stone	2	3	5½				Dark metal	0	0	11			
Post	0	1	8				Harvey Seam—						
Grey metal	0	1	4				COAL	0	1	3½			
Hulton Seam—											15	0	4½
COAL	0	2	11				Thill	0	0	2½			
				8	0	7½	Grey metal, with						
							post girdles	2	5	6			
				21	4	8	COAL, coarse	0	0	3			
											2	5	11½
Bored further by Mr.							Grey metal and						
R. R. Maddison:—							metal stone	0	5	6			
Thill	0	1	0				Grey and white						
Strong grey post,							post, with partings	1	4	1			
with metal part-							COAL, foul and						
ings	1	3	6				brassy	0	0	4			
Strong grey metal											2	3	11
stone	1	2	6				Grey metal	0	2	6			
Dark metal, scared							Grey post	0	5	0			
with coal and											1	1	6
strong ironstone													
girdles	1	5	0										
Strong grey metal													
stone, with post													
girdles and water													
at 8 fathoms ...	4	0	3										
Carried forward	9	0	3	21	4	8	Total	54	5	6			

No. 2,453.—BRINKBURN.

TOWNSHIP OF BRINKBURN, NORTHUMBERLAND.

Sheet 45 of Ordnance Map. Lat. , Long.

General Section of the Strata sunk through in the Brinkburn and Long Framlington Collieries.

Approximate surface-level feet above sea (Ordnance datum).

No. 2,453.—BRINKBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Great or Ten Yards</i>							Brought forward	0	4	0	35	1	10
Limestone ...	...	4	4	0			Freestone, 11 fathoms						
Freestone ...	...	5	0	0			thick in Framling-						
Blue metal ...	...	3	0	0			ton ...	16	0	0			
<i>Kiln Coal Seam—</i>							Blue metal, with						
	Ft.	In.		Ft.	In.		two bands of iron						
COAL	1	6 to 1	8				nodules ...	5	0	0			
Band	0	3 to 0	8				<i>Six Yards Limestone</i>	3	0	0			
COAL	0	10 to 0	10				COAL ...	0	0	3			
				0	3	2					24	4	3
						13	1	2	Blue metal ...	2	0	0	
Freestone ...	...	8	0	0			Limestone ...	0	3	0			
Blue metal ...	...	10	0	0			Metal, 5 feet of this						
<i>Eight Yards Lime-</i>							is a good fire-clay	3	0	0			
stone ...	...	4	0	0			Hard red sandstone	0	2	0			
COAL, good	...	0	0	8			Freestone, with metal						
						22	0	8	bands ...	3	0	0	
Fire-clay, makes good							<i>Main Seam—</i>						
bricks ...	...	0	4	0			COAL ...	0	2	8			
											9	1	8
Carried forward	0	4	0	35	1	10	Total ...				69	1	9

No. 2,454.—BROOMHILL.

TOWNSHIP OF EAST CHEVINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 16' 31", Long. 1° 35' 57".

Account of Strata bored through from the Surface 600 yards South of Whitefield Farmhouse, on the East side of the Main Road leading to Widdrington, November, 1901, hole stopped on March 4th, 1902.

Approximate surface-level 69 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	2	2	3			Brought forward	22	1	6			
Sand, with water	0	0	9			Loose metals ...	0	1	6			
Clay	0	3	3							22	3	0
Sand	0	1	3			Soft grey and blue						
Sand and clay	...	0	4	6			metal ...	0	4	6			
Clay and stones	...	4	3	0			Brown sandstone ...	0	4	0			
Soft clay	1	3	0			Loose brown sand-						
Clay and stones	...	4	0	0			stone ...	0	1	9			
Soft sand	0	2	6			Brown sandstone,						
Clay and boulders	...	0	3	6			hard ...	0	0	6			
Soft sand	1	0	0			Brown sandstone,						
Soft sandy clay	...	0	3	6			softer ...	0	1	6			
Clay and stones	...	2	1	0			COAL ...	0	0	9			
Extra hard boulder	...	0	0	6							2	1	0
Soft sand	0	3	0			Soft fire-clay ...	0	0	8			
Sandy clay and							Grey metal and sand-						
stones	0	2	6			stone ...	1	0	9			
Clay and stones	...	1	1	6			Grey metal and sand-						
Sandy clay	1	1	6			stone, hard ...	0	2	0			
Carried forward	22	1	6				Carried forward	1	3	5	24	4	0

No. 2,454.—BROOMHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	5	24	4	0	Brought forward	15	0	10	38	1	3
Grey metal and fire-clay ...	0	5	9				Grey and blue metal	0	1	9			
Hard sandstone ...	0	1	6				COAL , soft ...	0	5				
Fire-clay and blue metal ...	0	4	3				<i>Coaly</i> blue metal ...	0	3				
Dark blue metal ...	0	0	4				COAL ...	1	1				
COAL , cannel ...	0	5					<i>Coaly</i> blue metal ...	0	5				
COAL ...	1	1					COAL , soft ...	0	3				
	0	1	6	3	4	9	Dark blue metal ...	0	2				
Fire-clay ...	0	2	5				COAL ...	0	2				
Fire-clay and blue metal ...	1	0	7					0	2	9	15	5	4
Grey metal ...	0	1	9				Fire-clay ...	0	0	8			
Sandstone ...	0	2	1				Grey metal and sandstone ...	0	2	10			
COAL ...	0	0	6	2	1	4	Grey and blue metal	0	1	9			
Sandstone ...	1	2	4				Black and blue metal, <i>coaly</i> ...	0	0	8			
Soft grey metal ...	0	1	6				Grey and blue metal	0	4	2			
Sandstone ...	1	2	2				COAL ...	0	1	5			
COAL ...	0	0	4	3	0	2		1	5	6			
Fire-clay ...	0	1	6				Fire-clay, soft ...	0	0	6			
Fire-clay and balls ...	0	1	8				Fire-clay and grey metal ...	0	3	0			
Fire-clay and blue metal ...	0	4	9				<i>Coaly</i> blue metal ...	0	0	7			
Soft sandstone ...	0	1	0				COAL , soft ...	0	0	4			
Fire-clay and blue metal ...	0	0	6					0	4	5			
COAL ...	0	0	7	1	4	0	Fire-clay ...	0	1	2			
Blue metal, <i>coaly</i> ...	0	0	6				Grey metal and fire-clay ...	0	2	3			
Soft fire-clay ...	0	1	9				Hard sandstone ...	0	0	6			
Sandstone ...	1	0	0				Grey metal and sandstone ...	1	2	1			
Fire-clay and blue metal ...	0	2	3				Fire-clay and blue metal ...	0	1	6			
Grey and blue metal	0	4	6				Soft blue metal, <i>coaly</i> ...	0	0	6			
COAL ...	0	11					Fire-clay ...	0	0	3			
Soft blue metal	0	3					COAL ...	0	0	3			
COAL ...	0	4						2	2	6			
Sandstone ...	0	1					Grey and blue metal	0	4	0			
COAL ...	0	3					Grey metal ...	0	3	3			
	0	1	10	2	4	10	Soft fire-clay ...	0	0	9			
Fire-clay ...	0	1	3				Sandstone and grey metal ...	1	0	6			
Grey and blue metal	1	0	6				Sandstone, ...	1	5	6			
Sandstone ...	6	0	9				Grey and blue metal	0	3	4			
Soft blue metal ...	0	0	3										
Sandstone ...	3	4	9				COAL ...	0	4				
Sandstone, hard ...	0	1	4				COAL , soft ...	0	7				
Grey metal and fire-clay ...	0	5	0				Fire-clay and blue metal	0	8				
Grey metal ...	0	5	9				COAL ...	0	4				
Fire-clay and grey metal ...	0	2	6					0	1	11	5	1	3
Grey metal and sandstone ...	1	2	9				Fire-clay ...	0	0	6			
							Grey metal and fire-clay ...	0	1	6			
Carried forward	15	0	10	38	1	3	Carried forward	0	2	0	64	2	3

No. 2,454.—BROOMHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	2	0	64	2	3	Brought forward	1	2	4	69	2	1
Grey metal and sandstone ...	1	1	3				Sandstone ...	2	5	7			
Grey metal and fire-clay ...	0	2	9				Grey and blue metal	0	3	2			
Grey and blue metal	1	4	0				Fire-clay ...	0	0	7			
Blue metal ...	0	2	6				COAL ...	0	0	5			
COAL , soft... Ft. In.	0	3									5	0	1
COAL ...	0	10					Blue metal ...	0	1	8			
			0	1	1		Sandstone ...	3	5	9			
							COAL , soft	0	0	6			
											4	1	11
				4	1	7	Grey metal and fire-clay ...	0	1	3			
Soft <i>coaly</i> blue metal	0	0	3				Sandstone, varying hard and soft ...	6	0	7			
Fire-clay and grey metal ...	0	0	6				Limestone, extra hard	0	1	1			
Fire-clay and blue metal ...	0	2	11				Sandstone ...	7	3	10			
COAL ...	0	0	7				Grey and blue metal	0	1	2			
				0	4	3	Sandstone ...	0	3	0			
Fire-clay ...	0	1	10				Blue metal ...	0	0	4			
Grey metal and sandstone ...	0	5	9				Sandstone ...	0	5	10			
Fire-clay, <i>coaly</i> and soft ...	0	0	9				Sandstone, hard	0	5	3			
							Sandstone, soft	2	0	8			
											18	5	0
Carried forward	1	2	4	69	2	1	Total ...				97	3	1

No. 2,455.—BROOMHILL.

TOWNSHIP OF EAST CHEVINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 16' 21", Long. 1° 34' 50".

Account of Strata in a Bore-hole put down from the Surface 1,540 yards South-east of Whitefield Farmhouse, on the East side of the Main Road leading to Widdrington, and some 35 chains from the sea. Begun on March 22nd, 1902, and stopped on May 17th, 1902.

Approximate surface-level 20 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and stones ...	3	2	0				Brought forward				11	3	6
Sand ...	0	4	0				Fire-clay and blue metal, soft	0	2	9			
Clay ...	0	5	0				Grey metal and fire-clay ...	0	3	0			
Clay and stones ...	0	3	0				Grey metal, loose	0	0	8			
Sand ...	0	3	6				Grey and blue metal	1	3	6			
Clay and stones ...	0	4	6				Dark blue metal	0	2	4			
Gravel and boulders	0	4	0				COAL , cancell	0	0	3			
Clay and boulders	1	1	6								3	0	6
Clay and stones ...	1	3	0				Blue metal, <i>coaly</i> ...	0	0	6			
Sandstone boulders	0	0	6				COAL , cancell	0	0	3			
Clay and stones ...	0	2	6								0	0	9
				10	3	6	Fire-clay and grey metal ...	0	1	6			
Blue metal, soft ...	0	2	9				Dark blue metal	0	1	5			
COAL , loose ...	0	0	4				COAL ...	0	4	0			
Soft blue metal ...	0	2	4								1	0	11
COAL , cancell, loose	0	0	7				Carried forward				15	5	8
				0	2	11							
Carried forward				11	3	6							

No. 2,455.—BROOMHILL.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			15	5	8			
Fire-clay	...	...	0	1	8			
Grey metal and fire-clay	...	...	0	2	6			
Grey metal and sandstone	...	...	0	4	6			
Sandstone, hard	...	...	0	2	2			
Fire-clay and blue metal	...	...	0	2	10			
Grey metal	...	...	0	4	0			
Grey metal and fire-clay	...	...	0	3	10			
Grey metal and sandstone, loose	...	...	0	0	10			
Grey metal and sandstone	...	...	1	0	4			
Fire-clay, soft	...	...	0	1	11			
			Ft.	In.				
COAL	...	...	0	9				
COAL, cannell	...	...	0	11				
Soft blue metal	...	...	0	4				
COAL	...	...	1	4				
			0	3	4			
						5	3	11
Fire-clay	...	...	0	0	9			
Grey metal and fire-clay	...	...	0	2	2			
Grey metal	...	...	1	3	8			
Fire-clay	...	...	0	0	7			
COAL	...	...	0	1	2			
						2	2	4
Fire-clay	...	...	0	1	0			
Sandstone and grey metal	...	...	1	0	3			
Sandstone, hard	...	...	0	2	10			
Grey metal and fire-clay	...	...	1	3	10			
Grey and blue metal	...	...	1	0	0			
Light coloured fire-clay	...	...	1	0	9			
Grey metal	...	...	2	1	9			
Grey metal and fire-clay	...	...	1	2	6			
Sandstone	...	...	0	1	9			
Blue metal	...	...	0	0	6			
COAL	...	...	0	1	1			
						9	4	3
Fire-clay	...	...	0	0	2			
Grey metal and sandstone	...	...	1	5	3			
Carried forward			1	5	5	33	4	2

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			1	5	5	33	4	2
Sandstone	...	...	0	3	9			
Fire-clay and blue metal	...	...	0	1	8			
COAL	...	...	0	0	8			
						2	5	6
Fire-clay	...	...	0	1	8			
Grey metal and sandstone	...	...	0	3	6			
Sandstone	...	...	3	2	6			
COAL	...	...	0	0	4			
						4	2	0
Fire-clay and grey metal	...	...	0	2	0			
Grey metal and sandstone	...	...	0	5	10			
Fire-clay and grey metal	...	...	3	1	2			
Grey metal and sandstone	...	...	3	2	11			
Blue metal	...	...	0	0	6			
COAL	...	...	0	0	9			
						8	1	2
Fire-clay	...	...	0	0	2			
Grey metal	...	...	0	0	8			
Sandstone	...	...	6	0	5			
Sandstone, calcareous	...	...	3	2	11			
Sandstone	...	...	2	5	4			
Grey and blue metal	...	...	1	2	7			
COAL	...	...	0	0	3			
						14	0	4
Grey metal and fire-clay	...	...	0	1	4			
Grey metal and sandstone	...	...	0	4	2			
Sandstone	...	...	6	0	6			
COAL	...	...	0	0	3			
						7	0	3
Sandstone	...	...	0	0	6			
Fire-clay	...	...	0	0	3			
Sandstone	...	...	0	3	3			
COAL	...	...	0	0	4			
						0	4	4
Sandstone, hard	...	...	0	0	10			
Fire-clay	...	...	0	1	7			
Fire-clay and blue metal	...	...	0	4	4			
Grey metal and sandstone	...	...	0	5	6			
						2	0	3
Total	...	...	73	0	0			

No. 2,456.—BROOMHILL.

TOWNSHIP OF EAST CHEVINGTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. 55° 17' 12", Long. 1° 37' 43".

Account of Strata passed through in No. 4 Bore-hole, 440 yards. West by South of Woodside Farm Buildings.

Approximate surface-level 75 feet above sea (Ordnance datum).

No. 2,456.—BROOMHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and stones ...	6	0	0				Brought forward	0	4	3	23	4	1
Soft sand ...	0	4	0				Grey metal ...	0	4	3			
Clay and stones ...	1	5	0				Grey metal and sand-						
Hard boulders ...	0	1	0				stone ...	1	4	0			
Sand and clay ...	1	2	0				Grey metal and hard						
Sand and boulders ...	0	2	10				sandstone ...	1	1	0			
Sand and clay ...	1	3	6				Hard sandstone ...	0	5	7			
Clay and stones ...	0	3	6				Grey metal and sand-						
Clay and loose metals	0	3	0				stone ...	0	5	4			
				13	0	10	Grey metal ...	0	3	6			
Grey and blue metal	0	4	5				Grey metal and fire-						
Dark blue metal ...	0	0	2				clay ...	0	1	7			
COAL, good ...	0	2	2				Grey metal ...	1	1	2			
				1	0	9	Grey metal and sand-						
Fire-clay ...	0	2	0				stone ...	0	4	6			
Grey and blue metal	0	3	0				Sandstone ...	1	5	7			
Sandstone, hard ...	0	2	4				Soft blue metal, <i>coaly</i>	0	0	3			
Fire-clay and blue							Grey metal and sand-						
metal ...	0	3	4				stone ...	1	0	0			
Blue metal, <i>coaly</i> ...	0	1	10				Blue metal ...	0	0	1			
COAL, good ...	0	1	8										
				2	2	2	COAL ...	Ft. In.					
Blue metal, <i>coaly</i> ...	0	0	3				... 1 9						
Fire-clay ...	0	0	3				Fire-clay and						
Sandstone ...	0	0	9				blue metal	0	3				
Grey metal and fire-							COAL ...	1	6				
clay ...	0	0	11				COAL, soft...	0	3				
COAL ...	0	1	2										
				0	3	4					12	2	10
Soft fire-clay ...	0	2	6				Fire-clay ...	0	0	7			
Fire-clay and blue							Grey metal and sand-						
metal ...	0	1	0				stone ...	0	5	7			
Sandstone ...	2	2	4				Sandstone ...	0	3	6			
							Grey metal and fire-						
COAL ...	Ft. In.						clay ...	0	1	2			
... 0 10							Blue metal, <i>coaly</i> ...	0	0	4			
Fire-clay ...	1 2						COAL ...	0	1	5			
COAL ...	0 4										2	0	7
				0	2	4	Fire-clay ...	0	0	7			
				3	2	2	Sandstone ...	1	5	6			
Fire-clay ...	0	5	3				Limestone ...	0	2	1			
Grey metal and sand-							Sandstone ...	4	5	7			
stone ...	0	3	8				COAL ...	0	0	4			
Grey metal and hard											7	2	1
sandstone ...	0	2	6				Sandstone ...	0	0	2			
Fire-clay and blue							Fire-clay ...	0	0	1			
metal ...	0	2	6				COAL ...	0	0	6			
Dark blue metal ...	0	0	3								0	0	9
							Grey metal and sand-						
COAL ...	Ft. In.						stone ...	1	2	6			
... 1 6							Fire-clay and grey						
Fire-clay ...	0 2						metal ...	0	1	9			
COAL ...	1 1						COAL ...	0	0	6			
				0	2	9					1	4	9
				2	4	11	Blue metal, <i>coaly</i> ...	0	0	8			
Coaly blue metal ...	0	0	5				COAL ...	0	0	2			
Fire-clay and blue											0	0	10
metal ...	0	1	2				Grey metal, <i>coaly</i> ...	0	0	5			
COAL, soft ...	0	0	4				Grey metal and fire-						
				0	1	11	clay ...	1	1	6			
Fire-clay ...	0	4	3										
							Carried forward	1	1	11	47	3	11
Carried forward	0	4	3	23	4	1							

No. 2,456.—BROOMHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	11	47	3	11	Brought forward	8	4	3	47	3	11
Grey metal ...	1	5	0				COAL ...	0	0	8			
Limestone ...	0	0	9								8	4	11
Grey metal, cal-							Blue metal ...	0	0	4			
careous ...	0	3	8				Grey and blue metal	1	3	3			
Grey and blue metal	1	5	10				Blue metal, <i>coaly</i> ...	0	0	4			
Hard grey metal ...	0	0	3				Sandstone ...	0	0	6			
Grey and blue metal	0	2	6				Grey metal and sand-						
Grey metal, cal-							stone ...	0	2	5			
careous ...	0	3	9				Hard grey metal and						
Limestone ...	0	1	0				sandstone ...	1	0	0			
Grey metal and sand-							Sandstone ...	2	0	7			
stone ...	1	3	4				Limestone ...	0	1	9			
Dark blue metal ...	0	0	3								5	3	2
Carried forward	8	4	3	47	3	11	Total ...				62	0	0

No. 2,457.—BROOMHILL.

TOWNSHIP OF HADSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. 55° 17' 22", Long. 1° 34' 18".

Account of Strata passed through in a Bore-hole 250 yards East of Linkhouse Farmhouse.

Approximate surface-level 33 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	0	2	6				Brought forward	3	3	0	21	0	0
Clay and stones ...	6	5	3				<i>Little Wonder Seam—</i>						
				7	1	9	COAL ...	0	1	7			
Grey metal and sand-											3	4	7
stone ...	1	0	7				Fire-clay ...	0	1	2			
Blue metal ...	0	1	3				Fire-clay and balls	0	2	2			
COAL ...	0	0	4				Grey metal ...	0	5	9			
				1	2	2	Grey metal and fire-						
Fire-clay ...	0	3	0				clay ...	0	3	6			
Grey metal and sand-							Grey metal and sand-						
stone ...	0	1	3				stone ...	1	1	6			
Grey metal ...	1	1	9				Grey metal ...	1	5	0			
Grey metal and sand-							Blue metal and iron-						
stone ...	0	4	10				stone ...	0	1	3			
Sandstone ...	9	0	0				Grey metal and sand-						
Blue metal ...	0	0	3				stone ...	0	5	6			
<i>Queen Seam—</i>							Blue metal, <i>coaly</i> ...	0	0	3			
COAL ...	0	3	0										
				12	2	1							
Fire-clay ...	0	0	3				COAL ...						
Grey metal and fire-							Soft blue metal	0	2				
clay ...	0	3	6				COAL ...	0	10				
Grey metal and sand-							Blue metal, <i>coaly</i> ...	0	5				
stone ...	0	3	3				COAL ...	0	10				
Sandstone ...	1	1	10								0	2	5
Grey and blue metal	0	3	6								6	4	6
Blue metal and balls	0	2	3				Fire-clay ...	0	1	0			
Blue metal ...	0	0	5				Fire-clay and iron-				0	2	6
							stone balls ...						
Carried forward	3	3	0	21	0	0	Carried forward	0	3	6	31	3	1

No. 2,457.—BROOMHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	6	31	3	1	Brought forward	3	2	11	37	5	1
Grey metal and sandstone	0	2	6				Grey metal and sandstone	0	4	8			
Sandstone	1	1	6				Dark blue metal	0	0	6			
Grey metal and sandstone	0	5	6				<i>Main Coal Seam—</i>						
Grey metal and sandstone girdles	2	0	0				COAL	Ft. In.					
Grey and blue metal	0	2	8				Sandstone	0	4				
Dark blue metal	0	0	4				COAL	1	0				
							Grey and blue metal	0	9				
COAL	2	0					COAL	2	3				
Soft blue metal	0	7								0	5	0	
COAL	0	6											5 1 1
Dark blue metal	0	7					Fire-clay	0	1	3			
COAL and blue metal... ..	0	4					Grey metal	0	5	8			
				0	4	0	Grey metal and sandstone	0	5	0			
						6 2 0	Sandstone	1	2	9			
Fire-clay	0	0	2				Grey and blue metal	1	2	7			
Sandstone and grey metal	0	2	9				Sandstone	0	1	3			
Sandstone	0	5	0				Grey metal	0	3	0			
Grey and blue metal	0	5	0				Blue and grey metal	0	3	4			
Hard sandstone	0	1	2				Dark blue metal	0	0	10			
Grey metal	0	5	0				<i>Bottom Seam—</i>						
Grey and blue metal	0	1	10				COAL	0	1	2			
											6	2	10
Carried forward	3	2	11	37	5	1	Total				49	3	0

No. 2,458.—BROOMPARK.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 46' 5", Long. 1° 36' 46".

Account of Strata sunk through from surface to the Victoria Seam, at Broompark Colliery, near Durham. 1870.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	1	1	0	15	1	8
Yellow clay	0	3	6				Blue metal	0	4	6			
Sand	0	3	0				Post	0	5	0			
Blue clay, with stones	2	3	0				Blue metal	2	2	0			
Clay and blue metal	1	0	0				<i>Brass Thill Seam—</i>						
				4	5	0	COAL	0	1	0			
Freestone, with metal	0	4	0								5	1	6
Freestone on north side and metal on south side of shaft	3	0	0				Seggar	0	2	9			
Brown freestone	5	0	0				COAL	0	0	4			
Grey post	1	2	6								0	3	1
<i>Low Main Seam—</i>							Seggar	0	3	8			
COAL	0	2	2				Grey metal	0	3	0			
				10	2	8	Blue metal	0	1	0			
Seggar	1	1	0				COAL	0	0	4			
											1	2	0
Carried forward	1	1	0	15	1	8	Blue metal	1	0	9			
							Carried forward	1	0	9	22	2	3

No. 2,458.—BROOMPARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	0	9	22	2	3	Brought forward	1	1	0	63	4	9
Post ...	...	...	...	0	4	9	COAL ...	...	...	...	0	0	5
Grey metal ...	...	...	...	1	0	3	Black metal...	...	...	...	1	0	10
Grey metal and post	...	...	...	...	...	...	Strong grey metal...	...	...	...	4	2	0
girdles ...	...	...	...	0	5	0	Grey post ...	...	...	...	4	1	6
Post ...	...	...	...	2	5	0	<i>Busty Seam—</i>						
<i>Hutton Seam—</i>							COAL ...	...	...	...	0	4	6
COAL ...	...	...	...	0	3	0					11	4	3
				7	0	9	Seggar ...	...	...	...	0	5	0
COAL, splint ...	...	...	...	0	0	6	Post ...	...	...	...	3	0	0
Seggar ...	...	...	...	1	1	0	Whin ...	...	...	...	0	2	9
Grey metal ...	...	...	...	1	0	3	Post ...	...	...	...	2	2	7
COAL ...	...	...	...	0	0	3	Whin ...	...	...	...	0	3	0
				2	2	0	Post ...	...	...	...	0	5	0
Grey post and metal	...	...	...	...	...	...	Blue metal ...	...	...	...	0	3	0
girdles ...	...	...	...	1	4	6	Black metal ...	...	...	...	0	1	8
COAL ...	...	...	...	0	0	9	<i>B Seam—</i>						
				1	5	3							
Grey metal ...	...	...	...	2	2	10	COAL, canal	...	...	...	0	1	8
Post ...	...	...	...	5	4	6	COAL ...	...	...	...	1	4	
COAL ...	...	...	...	0	0	6					9	0	8
				8	1	10	Bastard seggar, good	...	...	...	0	5	8
Post ...	...	...	...	2	0	6	COAL ...	...	...	...	0	0	4
Bastard whin ...	...	...	...	0	1	6					1	0	0
Post girdles ...	...	...	...	0	1	6	Bastard seggar	...	...	...	0	3	11
Blue metal ...	...	...	...	4	1	6	Grey metal ...	...	...	...	0	1	4
COAL ...	...	...	...	0	0	1	Post girdle ...	...	...	...	0	1	6
Post ...	...	...	...	6	2	10	Blue metal ...	...	...	...	0	0	6
Blue metal ...	...	...	...	0	4	0	COAL ...	...	...	...	0	0	0½
<i>Harvey Seam, top</i>											1	1	3½
section—							Bastard seggar	...	...	...	0	3	0
COAL, slaty	Ft.	In.					Hard post ...	...	...	...	4	3	0
COAL, good	0	7					Blue metal ...	...	...	...	1	2	2½
	1	4					<i>Brockwell Seam—</i>						
				0	1	11							
				14	1	10	COAL, good	Ft.	In.				
Inferior seggar	...	...	...	0	1	0	Band ...	0	1¾				
Grey metal ...	...	...	...	0	2	4	COAL, good	1	5¾				
Black stone ...	...	...	...	0	1	11	Band ...	0	0½				
Grey post ...	...	...	...	0	2	0	COAL, good	0	10				
Blue metal ...	...	...	...	0	2	0					0	3	2
COAL ...	...	...	...	0	0	3					6	5	4½
				1	3	6	Seggar, good	...	...	...	0	1	6
Bastard seggar	...	...	...	1	0	7	Grey post ...	...	...	...	1	1	0
COAL ...	...	...	...	0	0	3	Grey metal and post	...	...	...	...	...	...
				1	0	10	girdles ...	...	...	...	1	3	0
Post ...	...	...	...	1	4	3	Blue metal ...	...	...	...	0	2	9
Grey metal ...	...	...	...	0	5	0	COAL ...	...	...	...	0	0	3
Black stone ...	...	...	...	0	5	3					3	2	6
Post ...	...	...	...	1	0	4	Grey metal ...	...	...	...	0	1	8
<i>Harvey Seam, bottom</i>							Hard post ...	...	...	...	0	2	2
section, <i>Constantine</i>							Grey metal and leafy	...	...	...	...	...	...
or <i>Tilley</i>							post girdles	...	...	...	0	3	2
<i>Seam—</i>							Grey metal ...	...	...	...	0	2	1
COAL, good	...	...	...	0	1	8	Blue metal ...	...	...	...	0	2	0
				4	4	6	Grey post ...	...	...	...	0	3	1
Black stone ...	...	...	...	0	0	6							
Bastard seggar and	...	...	...	1	0	6	Carried forward	2	2	2	97	0	10
post mixed	...	...	...	1	0	6							
Carried forward	1	1	0	63	4	9							

No. 2,458.—BROOMPARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Ft.	In.				
Brought forward	2	2	2	9	7	0	10	Brot. forward	0	2	6	5	10	9	7	0	10	
Whin ...	...	0	1	7				Black-band									
Grey metal and leafy								ironstone..	0	2								
post	...	3	1	5				COAL	...	0	4							
Blue metal ...	...	0	4	8								0	0	8			
Black metal...	...	0	2	0											7	0	6	
Victoria Seam—								Bastard seggar	...	0	1	0						
COAL	Ft. In.	0	2					Post	0	2	0				0	3	0
Car. forward	0	2	6	5	10	9	7	0	10	Total ...	...	104	4	4			

No. 2,459.—BROWNRIDGE.

TOWNSHIP OF LOWICK, NORTHUMBERLAND.

Sheet 11 of Ordnance Map. Lat. , Long.

Account of Strata bored through in a field named the Intake, West of Brownrigg House, and belonging to Mr. J. Jackson, Lowick.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	4	6				Brought forward	3	2	9	5	4	0
				0	4	6	Stone, hard ...	...	0	4	5		
Limestone ...	...	0	3	0			Tills ...	...	4	0	3		
Tills ...	...	4	1	6			Stone, hard ...	...	0	1	9		
COAL ...	...	0	1	0			Tills ...	...	0	1	9		
				4	5	6	COAL ...	...	0	1	2		
Tills ...	...	2	2	10							9	0	1
Freestone, hard	...	0	4	0			Tills ...	...	0	2	2		
Stone, soft ...	...	0	1	11							0	2	2
Carried forward	3	2	9	5	4	0	Total ...	...	15	0	3		

No. 2,460.—BROWNRIDGE.

TOWNSHIP OF LOWICK, NORTHUMBERLAND.

Sheet 11 of Ordnance Map. Lat. , Long.

Account of Strata bored through in No. 2 Hole, in the same field, supposed straight rise from the other bore-hole 100 yards, Brownrigg.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	0	0				Brought forward	4	2	10	1	0	0
				1	0	0	COAL ...	...	0	1	2		
Freestone ...	...	1	0	0							4	4	0
Hard stone ...	...	2	4	10			Soft metal ...	...	0	0	9		
Milder stone	...	0	1	9			Freestone ...	...	0	1	3		
Tills ...	...	0	2	3							0	2	0
Carried forward	4	2	10	1	0	0	Total ...	...	6	0	0		

No. 2,461.—BROWNRIDGE.

TOWNSHIP OF LOWICK, NORTHUMBERLAND.

Sheet 11 of Ordnance Map. Lat. _____, Long. _____

Account of Strata bored through in No. 3 Bore-hole, in a supposed straight rise from the other two Bore-holes as far as other side, and close up to Mr. Fennell's March in the Big Island Field, Brownrigg.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and soil ...	2	0	0				Brought forward	2	2	6	2	0	0
				2	0	0	Freestone ...	3	3	6			
White freestone ...	0	4	0				Red freestone ...	2	0	6			
Dun freestone, almost the colour of clay	1	4	6								8	0	6
Carried forward	2	2	6	2	0	0	Total ...				10	0	6

No. 2,462.—BROWNRIDGE MOOR.

TOWNSHIP OF ETAL, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in No. 1 Bore-hole, to the North side of Pit on Brownrigg Moor, side of east running across the Moor, to the Lower Coal-seam, supposed to be the Little Howgate Seam.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	0	0				Brot. forward	1	5	4	2	4	1	0	0
				1	0	0	COAL ...	0	7						
Red and white freestone ...		4	2	4						0	2	0			
													4	4	4
COAL ...							Metal... ...			0	0	9			
Metal... ...													0	0	9
Car. forward	1	5	4	2	4	1	Total ...				5	5	1		

No. 2,463.—BROWNRIDGE MOOR.

TOWNSHIP OF ETAL, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in No. 2 Bore-hole, situated on the North side of Pit, Brownrigg Moor.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Soil and clay	...	0	4	6			Brought forward	6	5	7	0	4	6		
					0	4	6								
Freestone	...	1	1	6			COAL	...	0	11					
Red freestone	...	1	0	4			Metal...	...	1	5					
White and red free-							COAL	...	0	6					
stone	...	4	2	5						0	2	10			
Metal...	...	0	1	4									7	2	5
							Metal...	...		0	0	4			
													0	0	4
Carried forward	6	5	7	0	4	6	Total	...		8	1	3			

No. 2,464.—BROWNRIDGE MOOR.

TOWNSHIP OF ETAL, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in Bore-hole marked No. 3, but probably No. 4, against the North side of Brownrigg Moor.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	2	0				Brought forward				8	5	9
				1	2	0	Tills ...	0	2	6			
Soft freestone ...	0	5	10				Hard stone ...	0	0	6			
Hard stone ...	0	0	8				Tills ...	0	1	0			
Freestone ...	2	0	2				Freestone ...	0	0	7			
Very hard stone ...	0	0	11				Tills ...	0	2	2			
Freestone ...	0	2	0				COAL ...	0	0	5			
Red freestone ...	3	1	0				Tills ...	1	0	2			
Very red freestone...	0	3	7				Freestone ...	0	0	2			
Metal... ..	0	1	0								2	1	6
COAL	0	0	7										
				7	3	9							
Carried forward				8	5	9	Total ...				11	1	3

No. 2,465.—BROWNRIDGE MOOR.

TOWNSHIP OF ETAL, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in a Bore-hole on Brownrigg Moor marked on Plan as No. 4 Hole, but probably No. 3.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	1	6				Brought forward	4	3	5	1	1	6
				1	1	6	Metal... ..	0	2	0			
White freestone ...	1	4	6				Dark freestone ...	0	5	8			
Red freestone ...	0	3	6				Tills ...	0	3	6			
Metal... ..	0	1	6				COAL ...	0	1	1			
White and red free- stone ...	1	2	0								6	3	8
White freestone ...	0	3	11				Metal... ..	0	2	0			
											0	2	0
Carried forward	4	3	5	1	1	6	Total ...				8	1	2

No. 2,466.—BRUSSELTON.

TOWNSHIP OF ST. HELENS AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 27", Long. 1° 42' 0".

Account of Strata sunk through at the Brusselton Colliery, near West Auckland.

Approximate surface-level 376 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	3				Brought forward	3	3	0	1	0	0
Boulder clay ...	0	4	9				Black shale ...	0	2	11			
				1	0	0	COAL ...	0	0	3			
Sandstone	3	3	0								4	0	2
Carried forward	3	3	0	1	0	0	Carried forward				5	0	2

No. 2,466.—BRUSSELTON.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				5	0	2			
Black metal...	...	0	0	11					
Post girdle ...	...	0	1	6					
Grey metal ...	...	0	1	5					
Post girdle ...	...	0	0	10					
Blue metal ...	...	0	2	0					
Grey metal ...	...	0	3	0					
Blue metal ...	...	1	4	6					
COAL, coarse splint	...	0	0	9					
				3	2	11			
Seggar ...	...	0	1	9					
Blue metal ...	...	0	0	10					
Leafy post ...	...	1	2	0					
Post ...	...	0	3	0					
Leafy post ...	...	0	0	8					
Blue metal ...	...	3	1	6					
Blue metal, soft ...	...	0	4	0					
Blue metal ...	...	1	4	0					
Blue metal, soft ...	...	1	3	0					
COAL ...	...	0	0	7					
				9	3	4			
Bastard seggar ...	...	0	5	7					
COAL ...	...	0	0	3					
				0	5	10			
Seggar ...	...	0	4	3					
Grey metal ...	...	1	4	6					
Whin ...	...	0	1	6					
Grey metal, with whin girdles ...	...	0	3	0					
Grey metal, with post girdles ...	...	0	5	0					
Black shale ...	...	0	4	3					
White ramble ...	...	0	0	3					
<i>Harvey Seam—</i>									
COAL ...	Ft. In.	1	6						
Clay band...	...	0	3						
COAL ...	...	3	8						
				0	5	5			
				5	4	2			
Seggar ...	...	0	1	7					
Grey post ...	...	5	2	0					
Sandy post ...	...	2	0	0					
Freestone ...	...	1	1	6					
Blue metal ...	...	0	0	6					
White post ...	...	2	2	0					
Grey post ...	...	1	3	0					
Hard white post ...	...	4	0	0					
Blue metal ...	...	0	1	0					
White post ...	...	1	0	0					
White post, with coal pipings ...	...	0	3	0					
COAL ...	...	0	0	8					
				18	3	3			
Bastard seggar ...	...	1	5	4					
Blue metal ...	...	1	2	0					
COAL ...	...	0	0	6					
				3	1	10			
Seggar ...	...	0	1	9					
COAL ...	...	0	0	6					
				0	2	3			
Carried forward				46	5	9			

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				46	5	9			
White post ...	...	0	2	6					
Grey metal ...	...	0	1	0					
COAL ...	...	0	1	3					
				0	4	9			
Seggar ...	...	0	5	0					
Grey metal ...	...	1	3	0					
Blue metal ...	...	4	5	0					
<i>Beaumont Seam—</i>									
COAL ...	...	0	3	0					
				7	4	0			
Seggar ...	...	1	5	6					
Grey post ...	...	0	2	3					
Blue metal ...	...	0	0	3					
Grey post ...	...	0	1	6					
Black shale ...	...	0	3	6					
<i>Busty Seam—</i>									
COAL ...	Ft. In.	3	2						
Seggar ...	...	0	4						
COAL ...	...	1	6						
				0	5	0			
				4	0	0			
Seggar ...	...	0	5	6					
Grey post ...	...	0	3	0					
Blue metal ...	...	1	0	0					
Post girdle ...	...	0	0	3					
Blue metal ...	...	1	1	9					
COAL ...	...	0	0	6					
				3	5	0			
Seggar ...	...	0	1	6					
Grey post ...	...	0	2	6					
Post, with metal partings ...	...	0	4	0					
Post, hard ...	...	0	3	0					
Blue metal ...	...	0	0	4					
Post ...	...	0	0	4					
Blue metal ...	...	3	0	3					
COAL ...	...	0	0	6					
				5	0	5			
Seggar ...	...	1	0	0					
Post, with blue metal partings ...	...	1	0	0					
Post ...	...	1	0	0					
Post, with metal partings ...	...	1	1	0					
White post ...	...	1	4	0					
Leafy post ...	...	0	1	6					
Post, with metal partings ...	...	0	3	0					
Leafy post ...	...	0	3	0					
Blue metal ...	...	2	1	3					
<i>Brockwell Seam—</i>									
COAL ...	Ft. In.	4	2						
Soft black band ...	...	0	3						
COAL ...	...	2	1						
				1	0	6			
				10	2	3			
Post ...	...	1	3	0					
Carried forward				1	3	0	78	4	2

No. 2,466.—BRUSSELTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	0	78	4	2	Brought forward	2	1	6	78	4	2
Grey post ...	...	0	2	0			Blue metal ...	...	1	1	6		
Post ...	...	0	2	6							3	3	0
Carried forward	2	1	6	78	4	2	Total ...	...	82	1	2		

No. 2,467.—BURNHOPE.

TOWNSHIP OF GREENCROFT (DETACHED NO. 8), DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 38", Long. 1° 42' 15".

Account of Strata sunk through in the Annie Pit, Burnhope Colliery, from the Surface to the Bustybank Seam.

Approximate surface-level 800 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and grey metal	3	2	3				Brought forward	3	5	6	47	0	3
				3	2	3	<i>Low Main Seam—</i>						
Grey metal ...	...	1	0	0			COAL ...	...	0	2	3		
<i>Shield Row Seam—</i>											4	1	9
							Strong grey metal...	0	5	2			
							Grey post ...	0	5	5			
COAL ...	Ft. In.						COAL ...	...	0	0	9		
Band ...	0	3½									1	5	4
COAL ...	1	7½					White post ...	0	3	6			
			0	4	6		Blue metal, with						
				1	4	6	iron girdles ...	1	5	6			
Blue metal ...	...	12	0	9			Strong white post ...	2	3	2			
<i>Five-Quarter Seam—</i>							Blue metal ...	0	1	5			
							Post ...	0	2	0			
COAL, full	Ft. In.						Blue metal ...	0	1	10			
of brass ...	2	6					<i>Hutton Seam—</i>						
COAL, coarse							COAL ...	...	0	4	0		
splint ...	4	0									6	3	5
			1	0	6		Strong seggar-clay						
				13	1	3	(walled up) ...	1	3	5			
Blue metal ...	...	3	4	6			Blue metal, with						
<i>Brass Thill Seam—</i>							strong post girdle	6	2	0			
COAL ...	...	0	2	6			White post ...	1	0	0			
				4	1	0	Blue metal (heavy						
Grey post ...	...	0	4	0			feeder of water)...	0	2	6			
Blue metal ...	...	0	2	9			Strong white post ...	9	3	8			
White post, with							Black metal...	2	0	0			
water ...	...	0	4	3			Strong grey metal...	1	1	4			
Blue metal and post							Blue metal ...	1	3	8			
girdles ...	...	9	1	2			White post ...	2	2	4			
White post, with							<i>Harvey Seam—</i>						
blue partings ...	13	0	0				COAL ...	...	0	1	11		
<i>Maudlin Seam—</i>											26	2	10
							Mild seggar-clay ...	0	4	0			
COAL ...	Ft. In.						Black metal, with						
Blue stone ...	1	6					vegetable impres-						
COAL ...	0	10					sions ...	...	1	3	8		
Band ...	0	2					White post ...	...	0	4	0		
COAL ...	0	2					Blue metal ...	...	1	3	0		
			0	3	1		COAL ...	...	0	0	4		
				24	3	3					4	3	0
Blue metal ...	...	3	5	6			Carried forward	...	90	4	7		
Carried forward	3	5	6	47	0	3							

No. 2,467.—BURNHOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				90	4	7	Brought forward	9	4	3	93	3	7
Strong seggar-clay	1	2	0				<i>Bustybark Seam—</i>						
Grey post ...	1	1	10				COAL ...			Ft. In.			
<i>Tilley Seam—</i>							Blue metal			1	10		
COAL ...	0	1	2				and post						
				2	5	0	girdles ...	6	3				
Seggar-clay ...	0	3	0				COAL ...	3	0				
Hard brown post,	6	1	4				COAL , coarse	0	10				
with blue partings	1	5	6							1	5	11	
Strong blue stone ...	1	0	5										11 4 2
Strong brown post ...													
Carried forward	9	4	3	93	3	7	Total ...				105	1	9

No. 2,468.—BURNHOPE.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 36", Long. 1° 41' 46".

Account of Strata sunk through in the Engine Pit, Burnhope Colliery, to the Bustybark Seam.

Approximate surface-level 730 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From top of quadrant at surface to bottom of walling, comprizing clay and blue metal ...	17	4	6				Brought forward	2	0	6	36	4	0
				17	4	6	Grey metal ...	0	4	9			
Grey metal ...	2	0	4				COAL ...	0	1	0			
Strong white post, mixed with whin	12	0	4								3	0	3
<i>Maudlin Seam—</i>							Thill stone ...	0	0	3			
COAL ...	0	11					Grey metal, with post						
Band ...	0	3					girdles ...	1	0	6			
COAL ...	0	11					Post girdles ...	0	0	11			
Band ...	0	2					Grey metal ...	0	0	2			
COAL , coarse	0	7					Post girdles ...	0	1	4			
							Post, mixed with						
	0	2	10				grey metal ...	1	2	10			
				14	3	6	White post ...	1	1	9			
Thill stone ...	0	2	2				Grey metal ...	0	2	9			
Post, mixed with metal partings ...	2	0	3				<i>Hutton Seam—</i>						
Grey metal ...	0	3	0				COAL ...	0	4	0			
Blue metal, with ironstone girdles...	1	0	7								5	2	6
<i>Low Main Seam—</i>							Seggar-clay, strong	0	3	0			
COAL ...	0	2	0				Grey metal, with						
				4	2	0	vegetable impressions ...	4	4	0			
Strong coarse seggar-clay ...	0	3	6				Post, mixed with grey metal, with water	8	1	6			
Grey metal ...	0	1	11				Post, with 700 gallons of water per minute ...	7	1	4			
Post, with grey metal partings ...	1	1	1				Grey metal ...	1	0	0			
Carried forward	2	0	6	36	4	0	Black metal...	2	2	0			
							Grey metal ...	1	3	0			
							Post girdles ...	0	1	9			
							Blue metal ...	0	2	1			
							Grey post ...	0	5	0			
							Carried forward	26	5	8	45	0	9

No. 2,468.—BURNHOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	26	5	8	45	0	9	Brought forward	3	3	4	74	3	11
<i>Harvey Seam—</i>							<i>Tilley Seam—</i>						
COAL ...	0	2	4				COAL ...	0	1	4			
				27	2	0					3	4	8
Seggar-clay ...	0	1	6				Strong seggar-clay	0	5	4			
Post, with blue part-							Blue metal, with post						
ings ...	1	3	0				and iron girdles...	5	5	0			
Blue metal ...	0	2	6				Strong white post...	3	2	10			
COAL ...	0	0	2				<i>Bustybark Seam—</i>						
				2	1	2							
Post girdle ...	0	3	10				COAL ...	Ft.	In.				
Seggar-clay ...	0	2	2				Post ...	1	8				
Post girdle ...	0	2	4				COAL, good	3	0				
Strong seggar-clay	0	4	6				COAL, coarse	0	10				
Post, with iron										2	2	3	
girdles ...	1	2	6								12	3	5
Carried forward	3	3	4	74	3	11	Total ...				91	0	0

No. 2,469.—BURNHOPE.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 43", Long. 1° 41' 42".

Account of Strata passed through in a Bore-hole from the Thill of the Bustybark Seam, near the Main Engine Shaft, Burnhope Colliery.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong grey metal ...	0	5	0				Brought forward	0	3	0	10	0	1
Strong grey post ...	1	5	7				White post ...	3	1	3			
Grey metal and post							Post, mixed with						
girdles ...	0	5	8				whin ...	0	1	10			
Post girdles ...	0	1	0				Blue metal ...	0	2	1			
Grey metal ...	1	1	5				White post ...	0	2	4			
Three-Quarter Seam—							Grey post ...	0	2	3			
COAL ...	0	1	1				Brockwell Seam—						
				5	1	9							
Grey metal ...	0	4	3				COAL ...	Ft. In.					
White post, mixed							COAL, splint	2 5					
with whin ...	0	4	2						0	2	6		
Blue metal ...	0	1	3								5	3	3
Grey post ...	0	4	1				Grey post ...	0	3	0			
Blue metal ...	1	0	3				Very black metal ...	0	2	6			
Grey post ...	0	3	0				COAL ...	0	0	3			
White post ...	0	3	7								0	5	9
							Grey metal ...	0	1	1			
COAL ...	Ft. In.						White post ...	1	2	4			
Grey post ...	0 3						Whin ...	0	1	2			
COAL ...	1 2						White post ...	0	3	6			
	0 4						Whin ...	0	1	2			
				0	1	9	Grey post ...	0	0	2			
				4	4	4					2	3	5
Grey post, mixed with													
whin and coal pipes	0	3	0				Total ...				19	0	6
Carried forward	0	3	0	10	0	1							

No. 2,470.—BURNHOPE.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 2", Long. 1° 42' 24".

Account of Boring in Burnhope Royalty from the Surface, at the Outcrop of the Hutton Seam at the Day Drift, 50 chains South and then 36½ chains West of Annie Pit, by Mr. G. R. Stott. November, 1864.

Approximate surface-level 650 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.
Clay	3	0	0				Brot. forward	1	11	8	3	6
Sand	0	3	0				COAL ...	0	6			
Clay	1	3	0						0	2	5	
				5	0	0					8	5
Brown post ...	3	0	0				Dark metal ...		0	0	6	
Metal	1	0	0				Grey metal and post					
Post	1	0	0				girdles ...		2	2	0	
Metal	0	4	0				COAL ...		0	0	6	
Post	4	2	0								2	3
Metal	1	2	0				Grey metal ...		0	5	0	
Post	0	4	0				Hard girdle ...		0	0	2	
Metal	0	4	0				COAL ...		0	1	0	
Brown post ...	5	0	0								1	0
Harvey Seam—							Grey metal ..		4	0	4	
COAL	0	2	4				COAL ...		0	1	6	
				18	0	4					4	1
Grey metal ...	3	0	0				Metal		0	4	0	
Grey post ...	2	5	0				Grey post ...		3	3	0	
Grey metal ...	0	2	0				Metal		0	0	1	
Dark metal, mixed							Bustybank Seam—					
with coal ...	0	2	6				COAL ...	Ft. In.				
Grey metal ...	2	0	0				COAL , coarse	4 10				
									0	5	2	
COAL	Ft. In.										5	0
Band	1 9											
	0 2											
Car. forward	1	11	8	3	6	23	Total ...				44	5
				0	4							6

No. 2,471.—BURNHOPE.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 45", Long. 1° 41' 22".

Account of Boring in Burnhope Royalty, by the side of the Cong Burn, by Mr. G. R. Stott. 1849.

Approximate surface-level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	6	0	0				Brought forward	19	3	0	6	0	0
				6	0	0	Maudlin Seam—						
Metal	0	1	0										
Brown and grey post,							COAL , coarse	Ft. In.					
with water ...	1	0	0				COAL , foul,	2 2					
Grey post ...	3	1	0				with brass	0 8					
Grey metal, mixed									0	2	10		
with coal ...	1	0	0								19	5	10
White post ...	1	1	0				Grey metal ...		0	1	2		
Grey post ...	3	0	0				Grey post ..		2	3	0		
White post ...	10	0	0				Grey metal stone		1	2	0		
Carried forward	19	3	0	6	0	0	Carried forward	4	0	2	25	5	10

No. 2,471.—BURNHOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	0	2	25	5	10	Brought forward	24	5	7	38	2	11
<i>Low Main Seam—</i>							Dark metal ...	1	0	0			
COAL ...	0	2	7				Metal stone ...	1	1	0			
				4	2	9	<i>Harvey Seam—</i>						
Grey metal stone ...	0	3	0				Black metal, mixed						
Grey post ...	0	4	0				with coal ...	0	2	9			
White post ...	1	3	0								27	3	4
Dark metal ...	0	0	3				Post ...	1	1	6			
COAL ...	0	0	9				Grey metal ...	1	1	0			
				2	5	0	Black metal...	0	3	0			
Dark metal ...	0	0	3				Post, mixed with						
Grey post ...	1	0	0				whin ...	0	2	8			
Grey metal stone ...	0	3	0				Black metal...	0	1	4			
Grey post ...	0	5	0				Grey post ...	1	0	6			
White post ...	0	3	0				COAL ...	0	0	9			
Grey post ...	1	3	2								4	4	9
Dark metal stone ...	0	0	10				Grey metal ...	0	2	6			
<i>Hutton Seam—</i>							Post ...	4	4	6			
COAL , tender 3	0						COAL ...	0	0	3			
COAL , coarse 1	1										5	1	3
				0	4	1	Metal ...	0	1	6			
							Post ...	6	1	3			
				5	1	4	<i>Bustybark Seam—</i>						
Dark metal ...	0	0	4				COAL ...	2	2				
Grey metal stone ...	0	3	0				Band ...	3	0				
White post ...	21	3	3				COAL ...	4	0				
Grey metal ...	1	0	0								1	3	2
Dark metal ...	0	5	0										
Black metal...	1	0	0								7	5	11
Carried forward	24	5	7	38	2	11	Total ...				84	0	2

No. 2,472.—BURNHOPE.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 43", Long. 1° 41' 38".

Account of Strata bored through from the Busty Seam at the Fell Pit, Burnhope Colliery. Commenced July 11th, 1893.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to Busty Seam about ...	100	0	0				Brought forward	109	2	6			
Seggar ...	0	0	6				Strong grey metal, with ironstone balls	0	4	4			
Grey post ...	5	0	6				Black shale ...	0	0	8			
Dark shale, with a little gas ...	0	0	6				Grey shale ...	0	2	1			
Grey shale, with post girdles ...	1	2	1				Grey post, with hard girdles and water	3	3	0			
White post, with a little water, ...	0	4	2				Grey shale ...	0	0	7			
Grey shale, with strong post girdles and water ...	2	0	3				<i>Brockwell Seam—</i>						
COAL , with a little black stone and water ...	0	0	6				COAL ...	1	1				
				9	2	6	Black band	0	0½				
							COAL ...	0	5½				
							COAL (like cancell) ...	0	6½				
											0	2	1½
Carried forward	109	2	6								5	0	9½
							Grey post ..				0	2	9
							Total ...				115	0	0½

No. 2,473.—BURNHOPE.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 31', Long. 1° 40' 39".

Account of Strata bored through in No. 2, an up-over Bore-hole, immediately over No. 1 Hole (No. 2,474), above Busty Seam, Burnhope Colliery. Commenced on August 23rd, 1900.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey shale ...	...	0	1	3			Brought forward	6	0	7	0	3	0
Harvey Seam—							COAL ...	...	0	0	10		
COAL ...	...	0	1	9							6	1	5
				0	3	0	Black stone, with coal pipes ...	...	0	0	3		
Seggar, with coal partings ...	...	0	0	1			Grey shale, with post girdles ...	...	5	0	1		
Seggar ...	...	0	0	11			Hard grey post ...	...	7	1	6		
Grey shale ...	...	2	0	8			Space shot out for boring at Busty Seam ...	...	0	5	1		
Hard grey post ...	...	0	3	2							13	0	11
Grey shale ...	...	0	1	0									
Hard white post ...	...	1	2	7									
Light shale ...	...	0	4	5									
Grey shale, with post girdles ...	...	0	5	9									
Carried forward	6	0	7	0	3	0	Total ...	...	19	5	4		

No. 2,474.—BURNHOPE.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 31', Long. 1° 40' 39".

Account of Strata bored through at Burnhope Colliery, in No. 1 Hole, below the Busty Seam in the South Crosscut, about 1 mile from Shaft. Commenced July 3rd, 1900.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dark seggar	0	2	6			Brought forward	5	5	4½	5	0	7½
Strong grey post	3	0	0			Blue shale ...	...	0	4	0		
Grey shale, with post girdles	1	3	3			Strong grey post ...	...	0	1	6		
COAL	0	0	10½			Grey post, with shale partings ...	...	3	0	6		
				5	0	7½	Grey shale ...	...	1	3	1		
Grey shale, with post girdles	0	1	8½			Brockwell Seam—						
Strong grey post, with shale partings	1	2	0			COAL ...	...	0	2	0		
Hard white post	0	4	8							11	4	5½
Shale	0	1	6			Seggar ...	...	0	3	0		
Strong grey post	1	4	0			Grey shale, with coal pipes ...	...	0	1	0		
Blue shale	0	4	6			Grey shale, with post girdles ...	...	0	1	1		
Grey shale, with post girdles	0	5	0							0	5	1
Carried forward	5	5	4½	5	0	7½	Total ...	...	17	4	2		

No. 2,475.—BURNHOPE.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 22", Long. 1° 40' 50".

Account of Strata bored through on Taylor's Hill for the Owners of Burnhope Colliery. August, 1903.

Approximate surface-level 770 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	7	3	5	10	2	2
Loamy clay	0	4	6				Dark grey shale ...	0	3	6			
				0	5	6	<i>Five-Quarter Seam—</i>						
Yellow freestone ...	1	5	10				COAL ...						
Grey shale ...	0	5	0				Splint ...	0	3				
Dark grey shale ...	1	0	0				Black stone						
Light grey shale ...	3	0	11				and coal						
<i>Shield Row Seam—</i>							pipes ...	0	10				
COAL ...	2	2					Seggar ...	0	7				
Band ...	0	3					Black stone						
COAL ...	0	7					and coal...	1	6				
COAL, good	2	0					Seggar ...	0	6				
COAL, soft	0	5					COAL, coarse						
				0	5	5	with threads						
						7	of stone ...	0	11				
Grey shale ...	1	0	6				Black stone						
COAL ...	0	0	2				and coal...	0	2				
				1	0	8				1	1	3	
Grey shale ...	0	2	5				Grey post, with shale						9
COAL ...	0	0	5				partings ...	6	0	8			2
				0	2	10	<i>Main Coal or Brass</i>						
Grey shale and post							<i>Thill Seam—</i>						
girdles ...	0	3	7				COAL ...						
Black stone and coal	0	0	9				Band ...	0	2				
Grey shale ...	0	2	0				COAL ...	0	9½				
Dark shale and coal							COAL, coarse	0	6½				
pipes ...	0	1	8							0	2	1	
Grey shale and post													6
girdles ...	0	5	4										2
Yellow freestone and													9
post partings ...	4	1	1				Grey post, soft ...	0	1	6			
Grey post ...	0	5	0				White post, into ..	0	1	0			
Grey shale ...	0	2	0								0	2	6
Carried forward	7	3	5	10	2	2	Total ...				26	3	7

No. 2,476.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 39' 17", Long. 1° 47' 26".

Account of Strata passed through in No. 1 Bore-hole, put down by the side of Railey Burn, between Toft Hill and Hamsterley, 430 links up the Burn from the Fence, to find the Victoria Seam, for the Butterknowle Colliery Company, Limited. April and May, 1904.

Approximate surface-level 543·85 feet above sea (Ordnance datum).

No. 2,476.—BUTTERKNOWLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium	1	4	9			
				1	4	9
Post,* graduating from yellow to white, into	7	1	7			
				7	1	7
Total				9	0	4

* This post underlies the Victoria Seam.

No. 2,477.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 14\frac{3}{4}''$, Long. $1^{\circ} 47' 31\frac{1}{2}''$.

Account of Strata passed through in No. 2 Bore-hole, put down by the side of Railey Burn, between Toft Hill and Hamsterley, 589 links up the Burn from No. 1 Bore-hole, to find the Victoria Seam, for the Butterknowle Colliery Company, Limited. April and May, 1904.

Approximate surface-level 566·55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium	2	2	6			
				2	2	6
Metal	0	1	6			
Post,* into	0	2	0			
				0	3	6
Total				3	0	0

* This post underlies the Victoria Seam.

No. 2,478.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 14\frac{1}{8}''$, Long. $1^{\circ} 47' 35''$.

Account of Strata passed through in No. 3 Bore-hole, put down by the side of Railey Burn, between Toft Hill and Hamsterley, about 320 links up the Burn from No. 2 Bore-hole and close to Cross Fence, to find the Victoria Seam, for the Butterknowle Colliery Company, Limited. April and May, 1904.

Approximate surface-level 578·37 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium	5	2	3			
				5	2	3
Post,* into	0	1	3			
				0	1	3
Total				5	3	6

* This post underlies the Victoria Seam.

No. 2,481.—BUTTERKNOWLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	3	1	3	3	Brought forward	13	3	8	3	4	3
Freestone girdle ...	0	1	8				Seggar-clay ...	0	2	6			
<i>Marshall Green Seam</i> —							Dark grey metal ...	0	1	0			
COAL ...	0	1	1				Strong leafy post ...	0	2	5			
				2	1	0	Very hard whin ...	0	0	11			
Seggar-clay ...	0	1	8				Strong light grey metal and leafy post ...	0	4	10			
Yellow freestone, with hard grey panels from 1 inch to 2 feet 4 inches thick ...	2	3	0				Whin ...	0	3	2			
Dark grey metal, with post girdles ...	4	1	0				Strong white post, lost water at 26 fathoms 5 feet 1 inch ...	9	2	0			
Iron girdle ...	0	0	8				Strong dark grey metal, with post and whin girdles	1	4	7			
Leafy post, mixed with metal ...	0	1	9				Whin ...	0	1	3			
Very hard white post, mixed with freestone ...	0	3	8				Strong grey post ...	0	4	1			
Strong grey leafy post ...	0	3	3				Seggar-clay ...	0	2	10			
Mild light grey metal, with post girdles ...	1	0	1				Leafy post ...	0	0	11			
Strong grey post, with water ...	0	3	1				Strong grey metal...	1	3	5			
Yellow freestone, lost water at 14 fathoms 1 foot 5 inches ...	1	0	3				Dark shale, mixed with fire-clay ...	0	1	5			
Hard white and grey post, with metal partings ...	1	0	11				Strong grey and white post, with metal partings, lost water at 34 fathoms 5 feet ...	1	0	5			
Strong dark grey metal, with post girdles ...	0	5	3				Hard white post ...	13	1	10			
Light grey metal ...	0	3	1				Dark grey metal, with post girdles ...	5	3	8			
Carried forward	13	3	8	3	4	3	Black stone and seggar-clay, mixed with coal ...	0	0	11*			
							Hard white post ...	0	3	11			
											51	1	9
							Total ...				55	0	0

* This point is approximately 422½ feet below horizon of Brockwell Seam.

No. 2,482.—BUTTERKNOWLE.

TOWNSHIP OF HAMSTERLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 38' 59½", Long. 1° 49' 12½".

Account of Strata passed through in a Staple pit down at the South-west Corner of Knaresmire Farm to prove the Victoria Seam, for the Butterknowle Colliery Company, Limited. 1902.

Approximate surface-level 751·8 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	1	0	5				Brought forward	0	0	6	1	5	5
<i>Brockwell or Main Coal Seam</i> —*							Iron girdle ...	0	0	7			
Clay and gravel ...	0	5	0				Seggary metal ...	0	0	8			
				1	5	5	Post, yellowish-white and hard ...	1	3	3			
Seggar-clay ...	0	0	6				Blue metal ...	0	0	7			
Carried forward	0	0	6	1	5	5	Carried forward	1	5	7	1	5	5

* Horizon of Brockwell Seam.

No. 2,483.—BUTTERKNOWLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	1	3	1	1	0	Brought forward	8	5	8	12	5	6
Metal parting ...	0	0	2				Post girdle ...	0	0	10			
White post, very hard ...	0	2	7				Dark metal ...	0	3	11			
				8	4	0	White post ...	0	2	0			
<i>Bored further:—</i>							Light metal ...	0	1	8			
White post, very hard ...	0	2	0				Grey post ...	0	0	1			
White post, mild ...	1	0	6				Light blue metal ...	0	4	6			
Metal parting ...	0	0	4				Grey post ...	0	0	5			
White post ...	1	0	8				Light metal ...	0	3	0			
Blue metal ...	0	2	6				Grey post ...	0	0	4			
COAL* ...	0	0	6				Blue metal ...	0	2	0			
				3	0	6	Grey post ...	0	0	4			
Seggar-clay ...	0	2	1				Blue metal ...	0	0	6			
Light metal ...	0	2	11				Dark metal ...	0	0	4			
Blue metal ...	0	3	10				COAL ...	0	0	11			
White post, very hard ...	0	5	6								12	5	8
Blue metal ...	1	0	4				Iron thill, very hard ...	0	2	0			
White post ...	0	2	2				Grey post ...	0	0	4			
Blue metal ...	0	3	6				Blue metal ...	0	0	10			
Post girdle ...	0	0	8				Grey post ...	0	0	4			
Blue metal ...	0	3	8				Blue metal ...	0	1	0			
White post ...	2	2	3				Grey post ...	0	0	4			
Whin ...	0	1	0				Blue metal ...	0	1	11			
White post ...	0	3	3				White post ...	0	5	0			
Blue metal ...	0	4	6				Metal and post ...	0	5	2			
Carried forward	8	5	8	12	5	6					2	4	11
							Total ...				28	4	1

* This is the 2 feet 7 inches seam of No. 378.

No. 2,484.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 37' 38½", Long. 1° 49' 49".

Account of Strata passed through in a Bore-hole put down in Coke-ovens Valley about 60 yards North of the Butterknowle Fault. Commenced about ¼ fathoms below the horizon of the Brochwel Seam.

Approximate surface-level 578 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	0	4	4				Brought forward	3	0	9½	1	3	4
				0	4	4	COAL ...	0	0	2½			
Black plate ...	0	1	9								3	1	0
Grey metal ...	0	2	9				Seggar-clay ...	0	2	1			
<i>Six Inches Seam—</i>							Grey post ...	1	0	0			
COAL ...	0	0	6				Post, with metal partings ...	1	0	7			
				0	5	0	White post, strong	0	1	1			
Seggar-clay ...	1	0	9				White post, mild...	0	1	1½			
Grey beds ...	0	1	0				White post, strong	0	0	10½			
Grey post ...	0	3	7½				Light metal ...	0	2	8			
Grey beds ...	0	0	3				Grey post, hard ...	0	1	10½			
Grey post ...	0	4	6				Grey post, mild ...	0	5	8			
Post, mixed with seggar-clay ...	0	2	1								4	3	11½
Light metal ...	0	0	7										
Carried forward	3	0	9½	1	3	4	Total ...				9	2	3½

No. 2,485.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 37' 40\frac{1}{2}''$, Long. $1^{\circ} 49' 51''$.

Account of Strata passed through in a Bore-hole put down 80 yards North of No. 2,484. Commenced $3\frac{1}{2}$ fathoms below the horizon of the Brockwell Seam.

Approximate surface-level 594 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	0	4	4				Brought forward	2	4	$2\frac{1}{2}$	2	3	8
				0	4	4	Soft parting...	0	0	6			
Black plate ...	0	3	7				Grey post, strong ...	0	5	3			
Dark grey metal ...	1	1	3				Soft parting...	0	0	$1\frac{1}{2}$			
<i>Six Inches Seam—</i>							Grey post, strong ...	0	5	$6\frac{1}{2}$			
COAL ...	0	0	6				Soft parting...	0	0	2			
				1	5	4	Grey post ...	0	1	7			
Seggar-clay ...	0	3	10				Soft parting...	0	0	2			
Brown metal ...	1	0	3				Grey metal, with post	0	1	1			
Grey metal, strong	0	0	9				COAL ...	0	0	10			
Grey beds ...	0	0	3								5	1	$5\frac{1}{2}$
Grey post, strong ...	0	3	$1\frac{1}{2}$				Dark metal, into ...						
Metal, strong ...	0	2	0										
Carried forward	2	4	$2\frac{1}{2}$	2	3	8	Total ...				7	5	$1\frac{1}{2}$

No. 2,486.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 37' 33\frac{1}{4}''$, Long. $1^{\circ} 50' 51\frac{1}{4}''$.

Account of Strata sunk through at the Quarry West Pit, Butterknowle Colliery, 1876.

Approximate surface-level 702.01 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder clay, with iron nodules ...	2	0	4				Brought forward	1	1	10	4	1	4
				2	0	4	Blue metal ...	0	2	9			
Seggar-clay, with iron nodules ...	0	0	6				Grey post ...	0	1	0			
COAL ...	0	0	8				Sandy parting	0	0	4			
				0	1	2	White post ...	0	5	0			
Short metal or plate-clay ...	0	1	6				Blue metal, with iron girdles	1	4	10			
COAL , splinty and rusty ...	0	3	0				Seggar-clay ...	0	0	2			
				0	4	6							
Black splinty metal	0	1	2				COAL ...	0	3				
Grey metal ...	0	1	7				Seggar-clay ...	0	5				
Strong metal, with iron girdles ...	0	1	6				COAL ...	0	6				
COAL , splinty and rusty ...	0	0	6								0	1	2
				0	4	9							
Jointy grey post ...	0	1	10								4	5	1
COAL , rusty ...	0	0	9				Dark metal, with iron nodules ...	1	0	7			
				0	2	7	Iron band ...	0	0	3			
Blue metal ...	0	1	3				Grey metal ...	0	1	2			
Strong grey post ...	1	0	7				Jointy white post ...	1	3	4			
Carried forward	1	1	10	4	1	4	Strong grey post ...	0	2	6			
							Blue metal ...	1	1	0			
							Bastard whin ...	0	1	1			
							Blue metal ...	3	3	0			
							Carried forward	8	0	11	9	0	5

No. 2,486.—BUTTERKNOWLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	0	11	9	0	5	Brought forward	0	2	6	37	1	4
<i>Hutton or Four-feet</i>							Grey metal ...	1	0	0			
<i>Seam—</i>							Post, mixed with						
COAL ...	0	3	10				whin ...	3	3	0			
				8	4	9	Blue metal ...	1	3	0			
Seggar-clay ...	0	2	6				<i>Harvey Seam—</i>						
Grey metal ...	0	3	0				COAL ...	0	2	2			
Post ...	0	3	0								6	4	8
Grey metal ...	0	2	0				Seggar-clay ...	0	3	0			
Post ...	0	1	6				Grey metal, with iron						
Post, mixed with							girdles ...	5	1	0			
whin ...	0	4	6				Grey metal, with						
Blue metal ...	1	2	6				strong post girdles	6	2	0			
<i>Jubilee Seam—</i>							Post, like millstone						
COAL ...	0	2	8				grit ...	1	0	0			
				4	3	8							
Seggar-clay ...	0	3	0				COAL ...	0	8				
Post, mixed with							Band ...	0	3				
whin ...	1	0	0				COAL ...	0	7				
Post ...	0	4	0							0	1	6	
Blue metal ...	0	1	10										
Post ...	1	4	0								13	1	6
Seggar-clay ...	0	1	9				Seggar-clay ...	0	2	6			
Post ...	0	3	0				Grey metal, with post						
Blue metal ...	0	5	0				partings— <i>Butter-</i>						
COAL ...	0	0	3				<i>knowle fault</i> ...	3	5	0			
				5	4	10	Grey metal ...	2	3	0*			
Blue metal ...	0	2	0				COAL ...	0	0	4			
Post ...	0	2	0								6	4	10
Blue metal ...	1	0	3				Seggar-clay ...	0	2	8			
Blue metal, with							Grey metal, with post						
grey post partings	0	5	0				girdles ...	1	3	0			
Ironstone band	0	0	9				Blue metal ...	1	0	0			
Blue metal, with							Grey metal, with post						
iron girdles ...	6	1	5				girdles ...	1	0	0			
COAL ...	0	0	3				Blue metal, with post						
				8	5	8	girdles ...	0	4	3			
Seggar-clay ...	0	2	6								4	3	11
Carried forward	0	2	6	37	1	4	Total ...				68	4	3

* Approximately 69 fathoms below the position of the Brockwell Seam, and on the north side of the Butterknowle fault.

No. 2,487.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 37' 24\frac{1}{2}''$, Long. $1^{\circ} 49' 35''$.

Account of Strata sunk through at the Gordon Pit, Butterknowle Colliery, 1885.

Approximate surface-level 559·42 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and soil ...	0	5	3				Brought forward	1	3	0	0	5	3
				0	5	3	COAL ...	0	0	6			
Post, with metal											1	3	6
partings ...	0	5	2				Seggar-clay ...	0	3	0			
White post ...	0	3	10				White post ...	0	3	6			
Carried forward	1	3	0	0	5	3	Carried forward	1	0	6	2	2	9

No. 2,487.—BUTTERKNOWLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	0	6	2	2	9	Brought forward				20	1	0
Strong grey metal ...	0	3	11				Strong grey metal ...	1	4	0			
Dark blue metal ...	0	1	0				Stone and grey metal						
COAL ...	0	0	6				mixed ...	0	0	7			
				1	5	11	Seggar-clay ...	0	4	5			
Seggar-clay ...	0	2	0				White post, mixed						
Seggar, mixed with							with metal part-						
post and iron							ings ...	0	5	0			
nodules ...	0	3	0				Black stone ...	0	3	0			
Strong grey post ...	1	3	0				Confused strata, near						
Soft blue metal ...	4	1	2				a rise hitch ...	4	1	6			
Black stone ...	0	1	0				<i>Brockwell Seam</i> —						
COAL ...	0	0	6				COAL , east side						
				6	4	8	of rise hitch ...	0	5	9			
Strong grey post ...	0	1	6				Seggar-clay ...	1	2	0			
White post stone ...	5	5	2				<i>Brockwell Seam</i> —						
Strong grey post ...	0	2	0				COAL , west side						
Blue metal ...	0	5	0				of rise hitch ...	0	5	9			
Whin stone ...	1	1	6								11	2	0
<i>Busty or Five-Quarter</i>							Seggar-clay ...	1	2	0			
<i>Seam</i> —							Post ...	0	3	0			
COAL* ...	0	2	6								1	5	0
				8	5	8							
Carried forward				20	1	0	Total ...				33	2	0

* The seam is burnt owing to the proximity of the Cockfield Whin Dyke.

No. 2,488.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 38' 13", Long. 1° 50' 16½".

Account of Strata passed through in a Bore-hole, put down in the North Corner of the Little Field behind the High Stables on the Loop Farm, for the Butterknowle Colliery Company, Limited, 1891. The surface-level is 70 feet 6 inches below the level of the outcrop of the Brockwell Seam at Marsfield.

Approximate surface-level 734·82 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	1	1	0				Brought forward	2	2	0	2	0	10
				1	1	0	Blue metal ...	0	2	0			
Girdle ...	0	0	4				Grey bed ...	0	2	0			
Metal ...	0	5	0				Black metal... ..	0	3	4			
COAL ...	0	0	6				Grey post ...	0	5	6			
				0	5	10	Black metal... ..	2	2	3			
Iron girdle ...	0	0	6				COAL ...	0	0	10			
Seggar-clay ...	0	3	6								6	5	11
Metal ...	0	2	6				Seggar-clay ...	1	0	9			
Grey bed ...	0	1	0				Post ...	1	3	0			
Black metal... ..	0	1	9				Freestone ...	1	1	0			
Grey bed ...	0	1	0				Black metal... ..	1	2	3			
Freestone ...	0	3	9								5	1	0
Carried forward	2	2	0	2	0	10	Total ...				14	1	9

No. 2,489.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 38' 11\frac{1}{2}''$, Long. $1^{\circ} 50' 28\frac{1}{2}''$.

Account of Strata passed through in No. 1 Bore-hole, belonging to a line of Bore-holes, put down 25 yards below the High Stile in the Old Field on the Loop Farm, to prove whether the Main Drift Brockwell Seam continued westward between two dip Faults, for the Butterknowle Colliery Company, Limited, 1898.

Approximate surface-level 738·57 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	4	1	0			Brought forward				6	4	7
				4	1	0	Seggar-clay ...	...	0	4	9		
Grey beds	0	5	3			Post ...	...	0	1	8		
Soft parting...	...	0	0	3			Soft post ...	...	0	0	4		
Dark metal	1	3	3			Hard post ...	...	0	2	8		
Six Inches Seam—											1	3	5
COAL	0	0	10									
				2	3	7							
Carried forward				6	4	7	Total ...	...	8	2	0		

No. 2,490.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 38' 8\frac{1}{2}''$, Long. $1^{\circ} 50' 27\frac{3}{4}''$.

Account of Strata passed through in No. 2 Bore-hole, belonging to a line of Bore-holes, put down 384 links from South Fence and 240 links from East Fence in the Old Field on the Loop Farm, to prove whether the Main Drift Brockwell Seam continued westward between two dip Faults, for the Butterknowle Colliery Company, Limited, 1898.

Approximate surface-level 720·82 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	...	2	5	6			Brought forward	0	4	6	2	5	6
				2	5	6	Whin, chisel broken						
Seggar-clay ...	...	0	0	6			in hole ...	...	0	0	3		
Post ...	...	0	1	0							0	4	9
Plate ...	...	0	3	0									
Carried forward	0	4	6	2	5	6	Total ...	...	3	4	3		

No. 2,491.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 38' 5''$, Long. $1^{\circ} 50' 27\frac{1}{2}''$.

Account of Strata passed through in No. 3 Bore-hole, belonging to a line of Bore-holes, put down in the North-east Corner of a Ploughed Field on the Loop Farm, to prove whether the Main Drift Brockwell Seam continued westward between two dip Faults, for the Butterknowle Colliery Company, Limited, 1898.

Approximate surface-level 701·82 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	1	5	0				Brought forward	0	3	4	1	5	0
				1	5	0	Blue metal ...	0	1	3			
Seggar-clay ...	0	3	0				Post ...	0	2	0			
Iron girdle ...	0	0	4								1	0	7
Carried forward	0	3	4	1	5	0	Total ...				2	5	7

No. 2,492.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 38' 2\frac{1}{4}''$, Long. $1^{\circ} 50' 28''$.

Account of Strata passed through in No. 4 Bore-hole, belonging to a line of Bore-holes, put down 30½ yards from the West Fence and 54 yards from the South Fence in the new-laid Field on the Loop Farm, to prove whether the Main Drift Brockwell Seam continued westward between two dip Faults, for the Butterknowle Colliery Company, Limited, 1898.

Approximate surface-level 696·57 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	1	0	0				Brought forward	0	3	3	1	0	0
				1	0	0	Post ...	0	1	0			
Seggar-clay ...	0	3	3								0	4	3
Carried forward	0	3	3	1	0	0	Total ...				1	4	3

No. 2,493.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 37' 33\frac{1}{4}''$, Long. $1^{\circ} 49' 39\frac{1}{2}''$.

Account of Strata sunk and bored through at the Diamond Pit, Butterknowle Colliery, from a Stone-drift, driven from the Busty or Five-Quarter Seam through the Butterknowle or Eighty-fathoms Trouble, and situate North 30 degrees East (1900) and about 55 yards from the Yard or Old Engine Shaft, July, 1900. This Hole was put down to prove whether there really existed a 3 feet to 4 feet Coal-seam, which it was alleged was found when putting through the Trouble from the Brockwell Seam, lying 10½ fathoms below the Five-Quarter Seam.

Approximate surface-level of drift 238·55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	1	5	5			
Hard grey post ...	0	4	0				Grey metal ...	0	5	11			
Grey metal, mixed							Very hard blue						
with post ...	1	0	7				metal, like whin ...	0	1	3			
Iron band ...	0	0	10				Soft white post ...	0	3	2			
Carried forward	1	5	5				Carried forward	3	3	9			

No. 2,493.—BUTTERKNOWLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	9				Brought forward	4	3	7	4	1	8
Black metal...	...	0	1	5			White post ...	...	1	1	2		
Soft white post ...	...	0	1	2			Grey post ...	...	0	3	0		
Soft black metal ...	...	0	1	4			White post ...	...	0	1	0		
				4	1	8	Hard white post*	...	2	2	2		
<i>Bored further:—</i>							Grey post ...	...	0	2	6		
Hard white post: at							Dark blue clay ...	...	0	0	6		
a depth of 3 fath-							White post ...	...	0	4	2		
oms 4 feet 3 inches							Dark blue clay ...	...	0	0	5		
in this post, a							Grey post ...	...	0	3	4		
feeder of 32½ gal-							Hard white post†	...	1	2	6		
lons per minute of											12	0	4
mineral water was													
tapped, at a pres-													
sure of 80 pounds													
per square inch ...	4	3	7										
Carried forward	4	3	7	4	1	8	Total ...				16	2	0

* The seam sought, if existing, should have been found at a depth of 1 fathom 1 foot 7 inches in this post.

† This bed lies approximately 447 feet below the Brockwell Seam.

No. 2,494.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 38' 22", Long. 1° 49' 45½".

Account of Strata sunk and bored through at the High Bank, Butterknowle, on the North Side of the Road and in the Slack, for the Butterknowle Colliery Company, Limited, 1900. The Top of the Pit is 35 feet 11 inches below the level of the Brockwell Seam Water-level in the Scroggs.

Approximate surface-level 744·1 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	0	1	0	6	1	7
Dark slaty metal ...	0	4	6				Post ...	...	0	1	0		
<i>Six Inches Seam—</i>							Blue metal ...	...	0	2	10		
COAL ...	...	0	0	6			Hard post ...	...	0	4	0		
				0	5	0	Grey beds ...	...	0	0	9		
Seggar-clay ...	...	0	5	0			Hard post ...	...	0	1	1		
Blue metal ...	...	2	2	0			Grey beds ...	...	0	1	3		
Post girdle ...	...	0	0	10			Hard post ...	...	0	0	6		
Black metal...	...	0	5	0			Grey beds ...	...	0	0	10		
Post girdle ...	...	0	0	11			Post ...	...	0	1	4		
Black metal...	...	0	2	0			Soft yellow sandstone	...	0	1	9		
Post girdle ...	...	0	1	8			Hard post ...	...	0	2	7		
Black metal...	...	0	1	9			Soft grey beds	...	0	0	7		
Post girdle ...	...	0	0	6			Hard post ...	...	1	0	10		
Black metal...	...	0	0	11			Freestone ...	...	1	2	7		
				5	2	7	Black metal*	...	0	2	6		
				6	1	7					6	1	5
<i>Bored further:—</i>							Seggar-clay ...	...	0	2	5		
Black metal: pipes							Grey beds, with white						
wedged in this bed	0	1	0				post girdles	...	0	5	0		
							Dark metal ...	...	0	0	7		
Carried forward	0	1	0	6	1	7	Carried forward	1	2	0	12	3	0

* Probably coal (a few inches), as in Knavesmire sinking, No. 2,482.

No. 2,494.—BUTTERKNOWLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	0	12	3	0	Brought forward	2	3	6	12	3	0
Grey beds ...	0	1	1				Metal ...	0	2	9			
Post ...	0	1	0				<i>Marshall Green Seam</i> —						
Blue metal ...	0	0	7				COAL ...	0	1	1†			
Post ...	0	0	4								3	1	4
Metal ...	0	0	5				Seggar-clay ...	0	3	10			
Post ...	0	4	1								0	3	10
Carried forward	2	3	6	12	3	0	Total ...				16	2	2

† 649·9 feet above sea-level.

No. 2,495.—BUTTERKNOWLE.

TOWNSHIP OF HAMSTERLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 39' 18", Long. 1° 48' 43½".

Account of Strata passed through in a Bore-hole, put down from the Thill of the Victoria Seam at the Face of the West Going-bord in Moorhill Loves Drift, to prove the Marshall Green Seam as found in the Sinking, No. 2,482, at the South-west Corner of the Knavesmire Farm, 840 yards to South-west, for the Butterknowle Colliery Company, Limited, March, 1904. The Thill of the Victoria Seam is 606 feet above sea-level.

Approximate surface-level 606 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Iron band ...	0	0	4				Brought forward	9	0	4			
Grey posty seggar-clay ...	0	1	1				Dark sandy post ...	0	3	6			
Post ...	4	3	5				Light sandy post ...	0	1	2			
Blue metal ...	1	5	0				Blue metal ...	0	0	4			
Iron girdle ...	0	0	3				Light sandy post ...	0	4	2			
Blue metal ...	0	5	6				<i>Marshall Green Seam</i> —						
Iron girdle ...	0	0	1				COAL ...	0	2	1	10	5	7
Blue metal ...	0	2	10				Soft brat ...	0	0	2			
Iron girdle ...	0	0	2				Post, into ...	0	0	8			
Blue metal ...	0	5	8								0	0	10
Carried forward	9	0	4				Total ...				11	0	5

No. 2,496.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 39' 25", Long. 1° 48' 0".

Account of Strata passed through in No. 1 Bore-hole of a line of Bore-holes put down in Wetheral's Pasture (Field No. 274), Moorhill, May, 1904, to find the outcrop of the Victoria Seam.

Approximate surface-level 622·7 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium ...	0	1	0				Brought forward				1	3	0
Black metal ...	0	2	6				Seggar-clay ...	0	5	10			
<i>Brockwell Seam</i> —							Post, into ...	0	0	6			
COAL ...	0	5	6								1	0	4
				1	2	0							
Carried forward				1	3	0	Total ...				2	3	4

No. 2,497.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 25\frac{1}{4}''$, Long. $1^{\circ} 47' 57\frac{1}{2}''$.*Account of Strata passed through in No. 2 Bore-hole.*

Approximate surface-level 625·4 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium ...	...	...	...	...	...	0	3	9			
									0	3	9
Seggar-clay, underlying <i>Brockwell Seam</i>	...	...	...	...	...	0	1	9			
Post, into ...	...	...	...	...	...	0	3	0			
									0	4	9
Total ...	...	...	...	...	...				1	2	6

No. 2,498.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 25\frac{1}{4}''$, Long. $1^{\circ} 47' 54\frac{1}{2}''$.*Account of Strata passed through in No. 3 Bore-hole.*

Approximate surface-level 623 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium ...	...	...	...	...	...	0	1	6			
									0	1	6
Post, underlying <i>Brockwell Seam</i> , into	...	...	...	...	...	0	3	0			
									0	3	0
Total ...	...	...	...	...	...				0	4	6

No. 2,499.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 26\frac{1}{8}''$, Long. $1^{\circ} 47' 52\frac{1}{4}''$.*Account of Strata passed through in No. 4 Bore-hole.*

Approximate surface-level 622·1 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium ...	...	...	...	...	...	0	2	3			
									0	2	3
Post, underlying <i>Brockwell Seam</i> , into	...	...	...	...	...	0	5	3			
									0	5	3
Total ...	...	...	...	...	...				1	1	6

No. 2,500.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 26\frac{5}{8}"$, Long. $1^{\circ} 47' 49\frac{3}{4}"$.*Account of Strata passed through in No. 5 Bore-hole.*

Approximate surface-level 619·2 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium ...	...	...	0	5	6		Brought forward	5	0	0	0	5	6
					0	5	6	Blue metal ...	...	0	2	3	
Post, underlying							<i>Victoria Seam</i> —*						
<i>Brockwell Seam</i> ...	...	...	0	4	6		COAL ...	...	...	0	1	3	
Grey beds ...	...	...	2	0	0						5	3	6
Metal ...	...	...	0	4	0		Seggar-clay ...	...	...	0	1	6	
Light seggar-clay ...	...	...	1	3	3		Post, into ...	...	...	0	0	9	
Iron band ...	...	...	0	0	3						0	2	3
Carried forward	5	0	0	0	5	6	Total ...	...	...	6	5	3	

* This seam in workings 130 yards to west of No. 1 Bore-hole is 2 feet 4 inches thick.

No. 2,501.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 27"$, Long. $1^{\circ} 47' 47\frac{1}{2}"$.*Account of Strata passed through in No. 6 Bore-hole.*

Approximate surface-level 606·4 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium	0	3	6		Brought forward			3	0	0	
					0	3	6	Seggar-clay ...	...	0	0	3	
Metal	0	1	6		Coarse post, into ...	...	...	0	0	3	
Light seggar-clay	1	1	9						0	0	6
Blue metal	0	4	3								
<i>Victoria Seam</i> —													
COAL	0	1	0								
					2	2	6						
Carried forward					3	0	0	Total ...	...	...	3	0	6

No. 2,502.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 27\frac{1}{3}"$, Long. $1^{\circ} 47' 44\frac{3}{4}"$.*Account of Strata passed through in No. 7 Bore-hole.*

Approximate surface-level 594·5 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium ...	...	...	...	...	...	1	1	3			
Seggar-clay, probably alluvium	...	...				0	0	9	1	1	3
Coarse post, underlying the <i>Victoria Seam</i> , into						0	2	9			
									0	3	6
Total ...	...	...	...	...	...				1	4	9

No. 2,503.—BUTTERKNOWLE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 27\frac{3}{4}''$, Long. $1^{\circ} 47' 42\frac{1}{2}''$.*Account of Strata passed through in No. 8 Bore-hole.*

Approximate surface-level 587·3 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Alluvium	0	4	6			
				0	4	6
Coarse post, underlying the <i>Victoria Seam</i> , into	3	3	0			
				3	3	0
Total				4	1	6

No. 2,504.—BUTTERKNOWLE.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 37' 22''$, Long. $1^{\circ} 49' 49''$.

Account of Strata sunk through in a Staple situated 48 feet to North North-east of the William Pit, February, 1906, to prove the Harvey or Yard Seam shown as 8 feet from the surface in the account of the William Pit Sinking, No. 379.

Approximate surface-level 632·3 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Ft.	In.	
Old pit rubbish	...	0	2	3			Brot. forward	0	10	3	3	11			
Boulder-clay	...	1	4	2			Band	...	1	10					
Post, hard	...	0	1	9			COAL , mixed								
Metal...	...	0	2	3			with shale...	1	0						
Post*	...	0	1	3				—	0	3	8		4	1	7
Metal...	...	0	4	3											
COAL	...	0	10				Metal...	...	0	2	10		0	2	10
Car. forward	0	10	3	3	11										
							Total	...				4	4	5	

* The Harvey Seam, allowing for dip of the strata, should have been found here.

No. 2,505.—BYER MOOR.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 54' 32''$, Long. $1^{\circ} 42' 25''$.*Account of Strata sunk through in the Byer Moor Pit, Byer Moor Colliery.*

Approximate surface-level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from settle boards to thill of <i>Hutton Seam</i> ...				19	0	0	Brought forward	1	3	2	21	3	10
Grey metal stone ...	0	5	3				Blue metal, with post girdles ...	1	3	3			
Blue metal, with post girdles ...	1	3	3				Hard white post ...	3	3	0			
COAL ...	0	1	4				<i>Main Coal Seam</i> — COAL ...	0	4	0			
				2	3	10					7	1	5
Grey metal stone ...	1	3	2				Black slate ...	0	0	5			
Carried forward	1	3	2	21	3	10	Carried forward	0	0	5	28	5	3

No. 2,505.—BYER MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	0	5	28	5	3	Brought forward	68	4	7			
COAL ...	0	0	3				Seggar-clay ...	2	0	0			
				0	0	8	Hard white post ...	0	3	0			
Seggar-clay ...	0	2	0				Grey metal ...	3	0	0			
Blue metal stone ...	0	2	2				<i>Three-Quarter Seam—</i>						
Hard bastard post...	1	0	11					Ft. In.					
Grey metal, with post							COAL ...	2	0				
girdles ...	1	5	0				Blue metal ...	1	0				
Hard white post ...	4	4	0				COAL ...	0	4				
COAL ...	0	1	5					0	3	4			
				8	3	6					6	0	4
Grey metal stone ...	0	3	3				Seggar-clay ...	0	3	6			
White post and whin	0	3	6				Post girdles and grey						
Blue metal, with post							metal ...	0	5	0			
girdles ...	1	1	10				Grey metal ...	3	0	0			
Blue metal, with iron-							Grey metal, with post						
stone girdles ...	3	0	0				girdles ...	0	3	8			
Grey metal stone ...	1	1	0				<i>Brockwell Seam—</i>						
Strong white post ...	5	5	0					Ft. In.					
Blue metal stone ...	1	3	0				COAL ...	0	4				
Grey metal stone ...	1	3	0				Blue metal ...	0	6				
White post and whin	2	5	0				COAL ...	1	3				
COAL ...	0	0	5				Band ...	0	2				
				18	2	0	COAL ...	2	2				
Grey metal stone ...	2	0	7					0	4	5			
White post, with											5	4	7
metal partings ...	1	5	0				Seggar-clay ...	0	2	6			
COAL ...	0	2	3				COAL ...	0	0	4			
				4	1	10					0	2	10
Seggar-clay ...	0	2	0				Seggar-clay ...	0	2	3			
Strong white post...	0	4	9				Post, with metal part-						
Grey metal stone ...	1	1	0				ings ...	2	0	0			
White post ...	4	3	0				Blue metal ...	1	4	0			
Blue metal, with post							Hard white post ...	0	3	2			
girdles ...	0	4	0				Grey metal ...	0	2	0			
Blue metal stone ...	0	1	0				Post ...	0	1	8			
<i>Busty Seam—</i>							Grey metal ...	0	1	0			
	Ft. In.						Post ...	0	1	4			
COAL ...	2	10					Blue metal ...	0	4	9			
Grey metal ...	0	4					COAL ...	0	1	6			
COAL ...	0	4									6	3	8
Black metal ...	0	1					Post, into ...	0	3	0			
COAL , ten-											0	3	0
der ...	2	0											
				0	5	7							
				8	3	4							
Carried forward				68	4	7	Total ...	88	1	0			

No. 2,506.—CALLERTON.

TOWNSHIP OF BLACK CALLERTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 1' 23", Long. 1° 42' 3".

Account of Strata sunk through in a Pit at Callerton. February 28th, 1828.

Approximate surface-level 237 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	5	6				Brought forward	2	5	6			
Gravel, with water...	2	0	0				Stony blue clay ...	1	0	0			
Carried forward	2	5	6				Carried forward	3	5	6			

No. 2,506.—CALLERTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	5	6				Brought forward	58	0	11			
Sand, with water ...	0	5	0				Grey metal ...	0	4	3			
Strong blue clay, with large lime- stones ...	12	0	0				COAL ...	0	1	5			
Gravel, with water	1	0	0								0	5	8
				17	4	6	Grey metal ...	1	2	10			
White post ...	0	1	0				COAL, with water	0	3	7			
Blue metal ...	3	0	0								2	0	5
Post, with water ...	0	5	6				Grey metal, with post girdles and water	2	1	9			
Blue metal ...	3	3	6				Blue metal, with post girdles and water	1	5	8			
Post, commonly called "green post" ...	1	4	3				COAL ...	0	1	0			
Soft grey metal ...	1	0	0								4	2	5
Black metal ...	0	3	3				Thill ...	0	1	0			
COAL, splint, with water ...	0	1	6				Mild post ...	0	4	0			
				11	1	0	Post, with whin and water ...	13	3	6			
Grey metal ...	1	5	0				COAL, coarse, with water ...	0	2	6			
Grove Seam—											14	5	0
COAL, with water	0	5	11				Blue metal ...	1	1	0			
				2	4	11	COAL, with water	0	1	6			
Thill ...	0	3	0								1	2	6
COAL ...	0	0	11				Grey post ...	1	0	6			
				0	3	11	Blue metal ...	1	2	1			
Thill ...	0	2	10				COAL, coarse ...	0	0	10			
Post, with water ...	0	4	0								2	3	5
Blue metal, with water ...	1	0	0				Thill ...	0	0	10			
Blue metal ...	2	2	2				Black metal ...	0	1	0			
Post, with water ...	0	4	5				Post ...	0	3	9			
COAL, with water	0	0	7				Grey metal, with post girdles and water	1	0	10			
				5	2	0	Blue metal ...	0	3	1			
Grey post, with water	0	3	0				Black metal, with small threads of coal ...	0	4	11			
Soft blue metal ...	4	2	0				Grey metal, with water ...	1	1	0			
Strong white post, with water ...	2	5	4				Strong white post ...	5	2	7			
Blue metal ...	0	2	10				Grey post, with water	0	2	0			
COAL, with water	0	1	11				Black metal ...	0	1	10			
				8	3	1	Strong white post ...	0	4	1			
Grey metal ...	2	1	3				Blue metal ...	0	1	4			
Grey metal, with post girdles ...	1	4	1				COAL, with water	0	0	10			
Mild grey post ...	4	3	9								11	4	1
Grey metal ...	2	3	6										
COAL, with water	0	4	11										
				11	5	6							
Carried forward				58	0	11	Total ...				96	0	5

No. 2,507.—CALLERTON.

TOWNSHIP OF BLACK CALLERTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 1' 29", Long. 1° 42' 15".

Account of Strata passed through in a Bore-hole 17 feet from top of North Hedge and 70 feet from top of East Hedge of the West Whin Field, Luddick Farm, Callerton, Northumberland. Commenced September 2nd, 1902.

Approximate surface-level 250 feet above sea (Ordnance datum).

No. 2,507.—CALLERTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	8				Brought forward	3	4	8	45	1	6
Boulder-clay ...	8	0	4				Grey shale, with post						
Strong blue clay and							girdles	1	4	5			
pebbles	2	2	8				Black stone and coal	0	0	4			
Loamy sand ...	1	0	6				Grey post	8	1	2			
Strong blue clay and							Black stone and coal	0	1	4			
pebbles	11	0	3				Dark grey shale ...	0	5	7			
				22	5	5	Grey shale, with post						
Grey post	0	0	6				partings	2	3	0			
Grey shale, with coal							Dark grey shale ...	0	5	0			
partings	0	3	2				COAL, coarse	0	0	3			
Grey post	0	1	11								18	1	9
Grey post, with shale							Grey seggar-clay ...	0	0	10			
partings	2	3	1				Grey post	0	2	0			
Dark grey shale ...	2	2	0				Grey post, with shale						
Grey post	1	3	6				partings	0	4	0			
Dark grey shale ...	0	1	4				Grey shale, with post						
COAL	0	0	2				girdles	1	0	2			
				7	3	8	Grey shale	0	3	1			
Grey shale	1	2	10				COAL	0	3	4			
Dark grey shale ...	2	3	5								3	1	5
Grey shale, with post							Grey seggar-clay ...	0	3	0			
partings	7	1	11				Grey shale, with post						
							girdles	1	1	7			
COAL	0	7 $\frac{1}{2}$					Grey post	6	5	4			
Band	1	1											
COAL	1	0											
COAL and													
band	0	5 $\frac{1}{2}$											
COAL	1	1											
				0	4	3					9	0	1
				12	0	5	Grey shale, with post						
Grey seggar-clay ...	0	2	9				girdles	0	2	6			
Dark grey shale ...	0	1	4				Grey post, with shale						
							partings	2	1	7			
COAL, coarse							Grey shale, with post						
Grey shale	1	8					girdles	1	1	5			
COAL, coarse	0	4					Grey shale, with iron-						
Black stone							stone bands	2	1	8			
and coal	0	5					Grey shale, with post						
COAL, coarse	0	3					girdles	0	5	10			
				0	4	0	Grey shale	0	5	5			
				1	2	1	COAL	0	0	8			
Grey shale	0	2	11								8	1	1
Grey seggar-clay ...	0	2	0				Grey seggar-clay, with						
Dark grey shale ...	0	1	3				ironstone balls ...	0	2	10			
							Grey shale	1	0	9			
COAL, coarse							COAL	0	0	6			
Black stone											1	4	1
and coal	0	3					Grey shale, with post						
				0	1	9	girdles	1	5	6			
				1	1	11	Grey post	3	1	8			
Grey shale, with iron-							COAL	0	3	5			
stone bands	1	5	4								5	4	7
Grey post	0	4	2				Grey seggar-clay ...	0	2	0			
Grey shale, with iron-							Grey post	2	5	5			
stone bands	1	1	2				COAL	0	0	3			
											3	1	8
Carried forward	3	4	8	45	1	6	Grey seggar-clay ...	0	1	9			
							Carried forward	0	1	9	94	4	2

No. 2,507.—CALLERTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	9	94	4	2
Grey shale, with post girdles	...	...	3	2	9	
COAL	...	...	1	3		
Band	...	...	0	7		
COAL	...	...	1	9		
			0	3	7	
					4	2
						1
Grey seggar-clay	...	...	0	1	8	
Grey shale	...	...	0	1	9	
Grey post	...	...	0	5	5	
COAL	...	...	0	0	3	
					1	3
						1
Grey shale	...	...	0	1	5	
Bastard post	...	...	0	1	10	
Grey shale, with post girdles	...	...	1	0	2	
COAL	...	...	0	1	7	
					1	5
						0
Grey seggar-clay	...	...	0	3	8	
Grey post, with shale partings	...	...	1	2	3	
Grey shale, with post girdles	...	...	1	4	3	
Grey post	...	...	2	3	1	
Carried forward	6	1	3	102	2	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	3	102	2	4
Coarse white post	...	...	1	1	1	
COAL	...	...	0	0	9	
						7
						3
						1
Grey post	...	...	4	4	9	
Grey shale, with post girdles	...	...	0	5	2	
COAL	...	...	0	1	2	
						5
						5
						1
Grey seggar-clay	...	...	1	0	10	
Grey shale, with iron-stone girdles	...	...	1	2	9	
Grey shale, with post girdles	...	...	1	4	6	
Grey post	...	...	3	1	3	
Bastard seggar-clay	...	...	0	1	6	
Grey shale, with iron-stone balls	...	...	0	1	9	
COAL	...	...	0	0	6	
						8
						1
						1
Grey seggar-clay	...	...	0	1	0	
Grey post, with shale partings	...	...	0	4	0	
Grey shale, with iron-stone balls, into	...	...	1	6		
						1
						0
						6
Total	...	...	125	0	1	

No. 2,508.—CARR EDGE.

TOWNSHIP OF NEWBROUGH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. 55° 1' 20", Long. 2° 11' 15".

Account of Strata sunk through in the East Shaft, Carr Edge Mine, in the second field East of Meg's House.

Approximate surface-level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hazle	...	...	7	0	0		Brought forward	2	3	0	7	1	0
COAL	...	...	0	1	0		Fire-clay	...	...	0	5	0	
					7	1	0	Hazle	...	...	1	1	10
Clay and plate	...	...	0	5	0			Grey beds	...	...	3	2	0
Scar Limestone	...	...	1	2	0			Hazle	...	...	1	3	2
Plate	...	...	0	2	0						9	3	0
								Total	...	...	16	4	0
Carried forward	2	3	0	7	1	0							

No. 2,509.—CARRYCOATS.

TOWNSHIP OF CARRYCOATS, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. , Long.

Account of Strata passed through in No. 1 Bore-hole at the Limekiln for Mathew Bell, Esq., by Thomas Wake. October 25th, 1760.

Approximate surface-level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay	...	...	...	...	1	0	0			
Sand and gravel	...	...	...	...	1	1	0			
								2	1	0
Total	...	...	...	...				2	1	0

No. 2,510.—CARRYCOATS.

TOWNSHIP OF CARRYCOATS, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. , Long.

Account of Strata passed through in No. 2 Bore-hole at Whiteside, about 40 yards up the Burn. 1760.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay	1	0	0				Brought forward	0	5	6	1	0	0
				1	0	0	Strong brown post	0	2	6			
Brown and grey							Grey metal	0	5	6			
metal	0	3	6				Whin	0	1	6			
Whin	0	2	0								2	3	0
Carried forward	0	5	6	1	0	0	Total				3	3	0

No. 2,511.—CARRYCOATS.

TOWNSHIP OF CARRYCOATS, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. , Long.

Account of Strata passed through in No. 3 Bore-hole at Whiteside, upon the Bank. 1760.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay	1	3	0				Brought forward	0	3	6	6	1	0
Strong stony clay	4	4	0				COAL	0	0	6			
				6	1	0					0	4	0
Grey metal, with							Brown post	0	0	9			
whin lumps	0	3	6								0	0	9
Carried forward	0	3	6	6	1	0	Total				6	5	9

No. 2,512.—CARRYCOATS.

TOWNSHIP OF CARRYCOATS, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. , Long.

Account of Strata passed through in No. 4 Bore-hole at Whiteside, up the Burn. 1760.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and mixture of sand	0	2	6				Brought forward	1	4	0	0	2	6
				0	2	6	Brown post	2	1	6			
Brown metal	1	0	6				Grey post	0	5	0			
Blue metal	0	3	0				Soft grey metal	0	0	6			
Soft cashey parting, with much water...	0	0	6				Brown post, with water	1	4	6			
											6	3	6
Carried forward	1	4	0	0	2	6	Total				7	0	0

No. 2,513.—CARRYCOATS.

TOWNSHIP OF CARRYCOATS, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. , Long.

Account of Strata passed through in No. 5 Bore-hole at Whiteside. 1760.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand	0	3	0				Brought forward	3	0	0	0	5	6
Gravel, with water	0	2	6				Whin	0	2	6			
				0	5	6	Strong white post, mixed with whin and water	2	0	0			
Grey metal, with hard lumps	1	3	6				Whin	0	2	9			
Soft parting, with water	0	0	6				Strong white post, mixed with whin	2	0	0			
Strong brown post... ..	0	3	0				Brown metal	0	1	6			
Brown metal	0	2	0				Grey post	1	0	0			
Brown and grey partings, with water...	0	3	0								9	0	9
Carried forward	3	0	0	0	5	6	Total				10	0	3

No. 2,514.—CARRYCOATS.

TOWNSHIP OF CARRYCOATS, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. , Long.

Account of Strata passed through in No. 6 Bore-hole at David Burn, Whiteside.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay... ..	0	3	0				Brought forward	1	0	0	3	3	0
Brown stony clay	3	0	0				Whin girdle... ..	0	0	7			
				3	3	0	Blue metal	3	3	0			
Soft brown metal	0	1	6				Grey post	0	2	0			
Blue metal	0	2	0				Whin	0	0	5			
Grey metal	0	2	6								5	0	0
Carried forward	1	0	0	3	3	0	Total				8	3	0

No. 2,515.—CARTERTHORNE.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 39' 22", Long. 1° 46' 19".

Account of Strata sunk through below the Brockwell Seam at the South Pit, Carterthorne Colliery, during 1903 and 1904.

Approximate surface-level 560 feet below sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Seggar-clay ...	...	1	0	0			Brought forward	11	3	0	8	1	6
Dark grey post	...	2	0	0			COAL ...	...	0	0	2		
White post	...	0	5	3							11	3	2	
Grey beds	...	0	2	0			Seggar-clay ...	...	0	1	10		
Blue metal	...	3	3	3			Grey post, with blue							
Post	...	0	0	8			metal partings	...	0	2	4			
Dark shale	...	0	1	10			Black shale, with coal							
COAL ...	...	0	0	6			partings	...	0	0	8		
					8	1	6	Seggar-clay	...	0	2	5		
Dark brown shale,							Blue metal	...	0	2	1			
strong	...	0	2	6			Grey post	...	0	3	3			
Black bands, with							Grey metal, with post							
coal partings	...	0	1	2			partings	...	0	3	9			
Coarse seggar-clay...	...	0	1	4			Blue metal, strong	...	1	2	5			
Dark grey metal,							Blue metal, mild	...	0	2	1			
strong	...	0	1	8										
Dark grey metal,							Ft. In. Ft. In.							
mild	...	0	2	10			COAL 0 8 to 1 0							
White post, strong...	...	1	0	3			Band 0 3 to 0 6							
Dark blue metal	...	0	0	9			COAL 0 3 to 0 4							
Brown post	...	0	2	2					0	1	6			
Blue metal, with post											4	4	4	
partings	...	0	0	10			Coarse under-clay	...	0	1	6			
White post, with open							Post, with blue metal							
fissures and water	...	4	0	3			partings	...	1	3	0			
White post, very											1	4	6	
strong	...	4	1	3										
Carried forward	11	3	0	8	1	6	Total ...				26	1	6	

No. 2,516.—CARTS BOG.

TOWNSHIP OF DEANRAW, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. 54° 56' 29", Long. 2° 17' 23".

Account of Strata bored through at Carts Bog Colliery, near Staward, from below the Stone Coal Seam.—Continuation of No. 402.

Approximate surface-level 765 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward	4	1	11	25	0	8
to thill of Stone							Post girdles	...	0	2	2		
Coal Seam	...			25	0	8	Plate	...	1	0	2		
Blue metal	...	1	0	4			Girdles	...	0	1	1		
Plate	...	0	3	11			Plate	...	0	5	2		
Post	...	0	3	11			Black-stone	...	0	0	9		
Plate	...	0	1	1			Post girdles	...	0	5	11		
Post	...	0	4	0			Plate	...	2	5	0		
Plate	...	1	0	8							10	4	2
Carried forward	4	1	11	25	0	8	Total ...				35	4	10

No. 2,517.—CASSOP.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 44' 42", Long. 1° 29' 2".

Account of Strata sunk through below the Five-Quarter Seam in the Vale Pit, Cassop Colliery, 1853.

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to thill of <i>Five-Quarter Seam</i> ...				34	3	0	Brought forward	12	4	11	37	3	1
Grey metal stone ...	2	5	0				<i>Main Coal Seam—</i>						
Black metal stone ...	0	0	10				COAL ...	0	3	7	13	2	6
COAL ...	0	0	3				Black metal ...	0	1	6			
				3	0	1	Grey metal ...	0	1	10			
Black metal ...	1	0	0				COAL ...	0	0	1			
Grey metal stone ...	3	1	6								0	3	5
Black metal ...	0	2	7				Grey metal ...	0	1	8			
Grey metal stone, with post girdles	4	1	6				COAL ...	0	0	3			
White post ...	3	2	0								0	1	11
Blue metal ...	0	3	4				Grey metal stone ...	1	2	0			
											1	2	0
Carried forward	12	4	11	37	3	1	Total ...				53	0	11

N.B.—This boring is continued in No. 406.

No. 2,518.—CASSOP MOOR.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 44' 50", Long. 1° 30' 23".

Account of Strata sunk and bored through in the Cassop Moor Pit, June 14th, 1840.

Approximate surface-level 339 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	0	1	0	29	0	11
Clay ...	7	0	0				<i>Main Coal Seam—</i>						
Gravel bed, with water ...	0	2	0				COAL ...	0	4	1	0	5	1
				7	2	0	<i>Bored further:—</i>						
Post stone ...	8	0	0				Box ...	1	3	0			
<i>Three-Quarter Seam—</i>							Grey metal ...	0	2	0			
COAL and stone, mixed ...	1	0	10				Grey post ...	1	4	4			
				9	0	10	Grey metal stone ...	2	3	5			
<i>Five-Quarter Seam—</i>							Grey post ...	1	0	0			
COAL ...	0	3	2				COAL , foul ...	0	1	0			
				0	3	2					7	1	9
Grey metal ...	8	4	6				Grey metal stone, with post girdles...	3	0	6			
Post, water upon it	2	2	5				White post, with metal partings and water ...	2	1	0			
Blue stone ...	0	5	6				Red post, with water	0	2	0			
COAL , coarse ...	0	0	6				White post ...	0	5	0			
				12	0	11	Red and white post	5	5	9			
Black stone ...	0	1	0				Strong white post ...	1	0	0			
Carried forward	0	1	0	29	0	11	Carried forward	13	2	3	37	1	9

No. 2,518.—CASSOP MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	13	2	3	37	1	9	Brought forward	0	2	9	60	1	3	
<i>Low Main Seam—</i>							White and grey post	3	0	0				
COAL ...	Ft.	In.					Blue metal ...	0	1	0				
COAL , foul	0	4					<i>Hutton Seam—</i>							
			0	2	10		COAL , very	Ft.	In.					
					13	5	strong ...	2	11					
Grey metal ...			0	4	0		Grey metal	0	6					
Strong white post,							COAL ...	0	4					
with water			3	4	0		COAL , foul	0	3					
Grey metal ...			0	3	7				0	4	0			
Blue metal ...			1	3	0						4	1	9	
COAL ...			0	0	7		Grey metal ...			0	0	2		
					6	3	White post, mixed							
Grey metal, with hard							with whin			0	5	0		
post girdles			2	3	0		White post ...			2	3	4		
COAL ...			0	0	3		COAL , soft with			0	1	8		
					2	3	white scares					3	4	2
Grey metal, with														
girdles			0	2	9									
Carried forward	0	2	9	60	1	3	Total ...				68	1	2	

No. 2,519.—CASTLE EDEN.

TOWNSHIP OF CASTLE EDEN, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 44' 21", Long. 1° 22' 2".

Account of Strata sunk through near Wellfield Junction Station.

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	8	3	0				Brought forward	25	3	0			
Limestone marl ...	0	5	0				Strong clay ...	4	2	0			
Blue leafy clay ...	7	0	6								29	5	0
Loamy sand ...	5	3	6				Limestone ...	52	4	0			
Clay ...	0	4	0				Sand, into ...	6	1	0			
Loamy sand ...	2	5	0								58	5	0
Carried forward	25	3	0				Total ...				88	4	0

No. 2,520.—CHESTER SOUTH MOOR.

TOWNSHIP OF CHESTER-LE-STREET, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 50' 18", Long. 1° 34' 53".

Account of Strata sunk through in the Chester South Moor Pit below the Hutton Seam.—Continuation of Nos. 419 and 2,113.

Approximate surface-level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward	1	1	9	40	5	0
to <i>Hutton Seam</i> ...				40	5	0	Leafy post, with						
Strong seggar-clay...	0	3	0				partings ...	0	0	4			
Strong white post ...	0	4	9										
Carried forward	1	1	9	40	5	0	Carried forward	1	2	1	40	5	0

No. 2,520.—CHESTER SOUTH MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	1	40	5	0	Brought forward	2	5	0	64	3	7
Strong post, mixed							<i>Harvey Seam—</i>						
with iron balls ...	0	5	6				COAL , good ...	0	2	0			
Soft black stone, with											3	1	0
a little water ...	0	0	2				Strong seggar-clay...	0	2	0			
Blue metal, mild ...	3	1	3				Soft blue metal ...	1	0	6			
Grey metal, mixed							COAL ...	0	0	2			
with post girdles...	3	1	4								1	2	8
Coarse strong post ...	0	4	5				Strong white post,						
Mild grey metal, with							with a little water	3	2	0			
water ...	0	2	7				COAL ...	0	0	9			
Grey post, with part-											3	2	9
ings ...	1	0	0				Seggar-clay ...	0	1	9			
Bastard post, mixed							Grey metal, with post						
with iron balls ...	1	2	8				girdles ...	0	2	6			
Grey post, strong ...	0	3	5				Soft blue metal ...	0	3	10			
Bastard post, mixed													
with iron balls ...	0	4	9										
Strong grey post ...	1	0	0				COAL ...	0	10				
COAL , with a little							Band ...	0	1				
water ...	0	0	10				COAL ...	1	1				
				14	5	0					0	2	0
Dry soft seggar-clay	0	3	0										
Mild white post, with							Seggar-clay, mild ...	0	3	0			
a little water ...	0	5	6				Grey metal, with						
Shale ...	0	1	6				strong post girdles	0	3	0			
Dark grey post, mild	1	1	6				COAL ...	0	0	1			
Soft blue metal ...	0	5	6								1	0	1
Strong post girdle ...	0	2	6				Seggar-clay and grey						
Soft blue metal ...	2	1	6				metal, mixed ...	0	4	0			
COAL ...	0	0	1				Strong white post ...	8	4	2			
				6	3	1	Dark grey post ...	0	3	4			
Seggar-clay ...	0	3	0				<i>Bustybark Seam—</i>						
Grey and brown													
post, mixed ...	1	4	4				COAL , good	1	10				
Blue metal ...	0	0	9				Brown stone	0	2				
COAL ...	0	0	5				COAL , coarse	0	3				
				2	2	6	Stone ...	0	2				
Seggar-clay ...	0	1	6				COAL , good	2	0				
Grey post ...	0	3	6								0	4	5
Hard brown post ...	0	2	0								10	3	11
Grey metal, with post							Brown post ...	0	2	0			
girdles ...	0	5	6				White post ...	1	1	0			
Blue metal ...	0	4	6								1	3	0
Carried forward	2	5	0	64	3	7	Total ...				87	3	1

No. 2,521.—CHEVINGTON (EAST).

TOWNSHIP OF EAST CHEVINGTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. $55^{\circ} 17' 0''$, Long. $1^{\circ} 34' 52\frac{1}{2}''$.*Account of Strata bored through on East Chevington Estate, 40 chains South-east of East Chevington Farm, 1884.*

Approximate surface-level 40 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loam and gravel ...	1	5	2				Brought forward	2	5	2			
Sand and water ...	1	0	0				Good clay ...	6	0	0			
Carried forward	2	5	2				Carried forward	8	5	2			

No. 2,521.—CHEVINGTON (EAST).—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	5	2				Brought forward	0	0	4	31	3	6
Sand and clay ...	6	5	0				Dark metal ...	0	4	6			
Sand and water ...	0	1	2				White post ...	0	0	11			
Hard tumblers ...	0	1	6				Dark metal ...	0	1	1			
Clay ...	0	1	0	16	1	10	White post ...	0	1	3			
							Dark metal ...	0	0	8			
Blue shale ...	0	3	1				Light grey post ...	0	1	10			
COAL ...	0	0	6	0	3	7	Hard metal ...	0	2	3			
							White post ...	0	2	3			
Shale and <i>coal</i> ...	0	0	6				Dark metal ...	0	0	6			
COAL ...	0	1	5	0	1	11	COAL ...	0	0	3	2	3	10
Fire-clay ...	0	4	9				White fire-clay ...	0	4	0			
Blue metal ...	0	1	0				Grey post ...	0	0	6			
COAL ...	0	0	6	1	0	3	White post ...	0	1	0			
							Hard girdle ...	0	1	10			
Fire-clay ...	0	2	2				White post ...	0	1	1			
Blue metal ...	0	1	2				Light grey metal ...	1	0	1			
Hard grey post ...	0	0	10				Grey post ...	0	2	5			
Grey metal ...	0	0	10				Post girdle ...	0	0	5			
Grey post ...	0	2	2				Grey metal ...	0	4	5			
Grey metal ...	0	1	6				Very hard girdle ...	0	0	9			
Grey post ...	0	2	1				Grey metal ...	1	0	10			
Grey post ...	0	0	11				Metal girdle ...	0	0	2½			
Blue post ...	0	1	2				Grey metal ...	0	2	10			
Grey metal ...	0	0	10				Blue metal ...	0	4	3			
Dark grey post ...	0	2	0				Grey metal ...	0	1	6			
Light blue metal ...	0	3	0				Grey post ...	0	3	0			
Hard girdle ...	0	0	2				COAL ...	0	0	5	6	5	6½
Blue metal ...	0	2	10										
Hard grey post ...	0	0	11				Black metal ...	0	2	1			
Blue metal ...	0	2	8				White post ...	0	4	11			
Hard girdle ...	0	0	11				Grey post ...	0	3	0			
Blue metal and							Whin ...	0	1	4			
girdles ...	0	3	8				White post ...	0	1	0			
Light metal ...	1	1	2				Dark metal ...	0	0	3			
Leafy grey post ...	0	2	6				White post ...	0	2	10			
Light metal ...	0	1	0				Grey metal, with						
Hard girdle ...	0	0	6				girdles ...	0	3	5			
Light metal ...	0	2	0				White post, with						
Leafy grey post ...	0	1	0				girdles ...	0	0	11			
Grey metal ...	0	0	6				Grey metal, with						
Dark metal ...	0	2	8				girdles ...	0	4	11			
Grey metal, with							White post ...	0	2	3			
girdles ...	0	4	4				Grey metal, with						
Hard metal, with							girdles ...	0	1	4			
girdles ...	0	4	6				Blue metal ...	0	1	8			
Grey metal, with							Grey post ...	0	0	6			
girdles ...	1	1	9				Blue metal ...	0	2	7			
Very hard girdle ...	0	0	9				Grey post ...	0	1	8			
Grey metal ...	0	0	2				Blue metal ...	0	0	10			
Dark metal, with							Grey post ...	0	0	11			
girdles ...	1	0	4				White post ...	0	2	2			
Grey post ...	0	1	0				Grey post ...	0	3	6			
White post ...	0	2	0				Grey metal ...	0	1	2			
Dark metal ...	0	5	1				Grey post ...	0	1	7			
COAL ...	0	0	10	13	1	11	Whin ...	0	0	10			
							Soft whin ...	0	1	5			
Fire-clay ...	0	0	4				Hard whin ...	0	1	10			
							Grey metal ...	0	1	8			
Carried forward	0	0	4	31	3	6	Carried forward	8	2	7	41	0	10½

No. 2,521.—CHEVINGTON (EAST).—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	2	7	4	1	0	10	Brought forward	2	4	3	5	3
Blue metal ...	0	0	6					Hard white post ...	1	3	3		
Grey metal, with								Blue metal ...	0	1	0		
girdles ...	2	2	7					Grey metal ...	1	3	7		
Dark grey metal,								Soft post ...	0	3	4		
with girdles ...	1	2	3					Grey metal, with					
Light metal ...	0	2	5					girdles ...	0	5	4		
Black metal...	0	0	5					Freestone and post...	0	0	9		
COAL pipe ...	0	0	1					Grey metal, with					
				12	4	11		girdles ...	1	0	7		
Black metal...	0	1	2					Grey post ...	0	1	7		
Girdles ...	0	0	4					Grey metal ...	0	1	4		
Black metal...	0	0	3					Hard grey post ...	0	2	2		
Grey metal ...	0	5	7								9	3	2
White post ...	1	2	11										
Carried forward	2	4	3	5	3	5	10	Total ...			63	3	0

No. 2,522.—CHILTON.

TOWNSHIP OF CHILTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 40' 39", Long. 1° 31' 52".

Account of Strata sunk and bored through at Little Chilton, August, 1852.

Approximate surface-level 290 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward				63	4	2
Depth from surface							Grey metal, with post						
to top of Five-							girdles ...	2	0	0			
Quarter Seam ...	40	1	0				Dark metal, mixed						
Five-Quarter Seam—							with coal ...	0	1	0			
COAL, good ...	0	3	6				Grey metal stone,						
				40	4	6	with post girdles	1	4	9			
Strata ...	9	0	7				White post, with						
Main Coal Seam—							whin and metal						
							partings ...	5	5	3			
COAL ...	1	4					Metal and soft coal	0	1	0			
Stone, soft...	0	10					Grey and white metal	7	2	6			
COAL ...	3	3					White post, mixed						
				0	5	5	with whin and						
				10	0	0	metal partings ...	2	3	0			
				50	4	6	Grey metal ...	0	1	4			
							COAL, coarse ...	0	1	2			
										20	2	0	
<i>Bored further:—</i>							White post ...	0	1	3			
Box ...	0	1	0				Grey metal, with						
COAL ...	0	0	10				stone girdles ...	1	4	11			
				0	1	10	COAL, foul...	0	0	8			
Strong grey metal ...	0	3	2							2	0	10	
Grey metal stone,							Dark grey metal						
with post girdles	11	3	6				stone, inclining to						
Low Main Seam—							post...	4	3	6			
COAL, soft foul...	0	3	2				Dark grey metal, with						
				12	3	10	ironstone girdles...	0	2	0			
Carried forward				63	4	2	Carried forward	4	5	6	8	6	1

No. 2,522.—CHILTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	5	6	86	1	0	Brought forward	1	3	6	108	2	3
COAL	0	2	0				Grey metal stone,						
				5	1	6	with post girdles...	2	3	0			
Grey metal	0	5	0				White post	1	4	6			
Strong grey metal							Grey metal	0	2	0			
stone, with post							White post	2	4	4			
girdles	2	5	0				Grey metal, with thin						
Whin or ironstone...	0	1	3				girdles	2	3	4			
Strong metal stone	1	0	4				Dark metal	0	4	8			
COAL	0	1	10				COAL	0	0	4			
				5	1	5					12	1	8
Grey metal stone,							Grey metal	0	2	6			
with post girdles...	1	5	0				White post	0	1	6			
White post	0	1	6				White post	8	2	9			
Strong metal stone	0	5	6				Grey metal	1	4	4			
Strong white post,							Ironstone girdle ...	0	0	2			
mixed with whin...	3	3	6				Black metal...	0	0	2			
Grey metal stone	1	1	6				Grey metal	0	0	4			
White post	2	1	0				<i>Harvey Seam—</i>						
Mild post	1	3	4				COAL, the last 10						
COAL, foul... ..	0	1	0				inches tender ...	0	3	7			
				11	4	4					11	3	4
Grey metal	0	1	6				Strong metal stone,						
White post, mixed							into	0	1	2			
with whin... ..	1	2	0								0	1	2
Carried forward	1	3	6	108	2	3	Total				132	2	5

No. 2,523.—CHILTON.

TOWNSHIP OF CHILTON, DURHAM.

Sheet 43 of Ordnance Map. Lat. 54° 39' 41", Long. 1° 33' 29".

Account of Strata sunk and bored through at Great Chilton Colliery, belonging to Mr. Christopher Mason.

Approximate surface-level 355 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	4	0	0	35	5	9
Outset	1	3	0				Blue metal stone ...	2	0	0			
Yellow and blue clay	3	0	0				Blue metal, with post						
				4	3	0	girdles	2	0	6			
Blue limestone ...	0	4	0				Blue metal stone ...	2	5	0			
Yellow and flaggy							COAL	0	1	8			
limestone	27	3	5								11	1	2
				28	1	5	Blue metal stone ...	1	0	8			
Black stone	0	3	9				<i>Five-Quarter Seam—</i>						
White metal stone	0	2	0				COAL	0	4	2			
Grey metal, with											1	4	10
partings	1	0	0								48	5	9
Blue metal stone ...	0	2	0										
Blue metal, with red							<i>Bored further:—</i>						
clay partings ...	0	5	5				Box	2	1	0			
COAL , black, scamy	0	0	2				Grey metal stone,						
				3	1	4	with post girdles	1	5	6			
Grey metal stone,							Black stone, with						
with ironstone							scars of coal ...	0	0	9			
balls	4	0	0										
							Carried forward	4	1	3	48	5	9
Carried forward	4	0	0	35	5	9							

No. 2,523.—CHILTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	1	3	48	5	9	Brought forward				60	4	6
Grey metal ...	0	1	0				Black metal...	0	0	9			
Mild grey post, with metal partings ...	6	0	0				Grey metal ...	0	0	4			
Grey metal, with post girdles ...	0	5	4				COAL ...	0	0	9			
Grey metal, scared with coal ...	0	1	0								0	1	10
COAL ...	Ft. In.						Black metal, mixed with coal ...	0	0	9			
COAL , foul, mixed with metal ...	1	5					COAL ...	0	0	8			
											0	1	5
	0	9					Black stone ...	0	0	2			
				0	2	2	Grey metal, into				0	0	2
Carried forward				60	4	6	Total ...				61	1	11

No. 2,524.—CHILTON.

TOWNSHIP OF CHILTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 40' 12", Long. 1° 34' 10".

Account of Strata sunk through from the surface to the Brockwell Seam, at Chilton Colliery.—Continuation of No. 444.

Approximate surface-level 427 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	37	2	11	21	3	4
Clay and gravel, mixed ...	1	0	4				<i>Three-Quarter Seam—</i>						
				1	1	4							
Limestone ...	8	5	0				COAL ...	Ft. In.					
Yellow sand...	11	3	0				Stone ...	1	0				
				20	2	0	Stone ...	0	1				
Dark red sandstone, with metal partings and post girdles ...	3	5	0				COAL ...	0	5				
Hard grey post, with metal partings ...	4	0	3				Stone ...	0	1				
Strong white post, with metal partings	8	4	0				COAL , with thin bands of stone	2	4				
Dark brown post, with whin ...	7	1	0							0	3	11	
Grey post, with coal pipes and whin ...	2	3	0										
Grey mottled post, with pebbles ...	0	5	0				Dark metal ...	0	2	8			
Strong grey post, with ironstone ...	6	1	7				Black stone ...	0	3	10			
White and grey post	0	3	6				Grey metal, with post girdles ...	2	2	1			
Grey metal stone ...	1	5	0				Jet or ramble ...	0	0	5			
Black metal stone ...	0	2	2				<i>Five-Quarter Seam—</i>						
Grey metal ...	1	1	10										
Black metal...	0	0	5				COAL ...	Ft. In.					
Ramble ...	0	0	2				COAL , splint	3	3				
										0	4	5	
Carried forward	37	2	11	21	3	4	Fire-clay, good ...	0	2	0			
							Grey metal stone, with post girdles	3	0	0			
							Black stone ...	0	0	4			
							Grey metal ...	0	0	3			
							Black stone ...	0	0	4			
							Carried forward	3	2	11	63	5	7

No. 2,524.—CHILTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	3	10	158	2	3	Brought forward	0	4	2	187	2	3
<i>Upper Busty Seam—</i>							White post ...	0	4	2			
	Ft.	In.					Grey metal, with post						
COAL ...	0	6					girdles ...	0	3	6			
Band ...	0	9					White post ...	0	2	0			
COAL ...	1	3					Grey metal ...	1	3	0			
			0	2	6		COAL ...	0	0	2			
						11	0	4			3	5	0
Thill-stone ...	0	2	0				Fire-clay ...	0	2	0			
Dark grey post ...	0	4	0				Strong grey metal,						
Dark metal ...	6	4	0				with post girdles	0	4	0			
<i>Lower Busty Seam—</i>							Strong grey post ...	0	5	0			
	Ft.	In.					Dark grey metal,						
COAL ...	1	2					with ironstone						
Band ...	2	7					girdles ...	1	3	8			
COAL ...	2	3					COAL ...	0	0	4			
			1	0	0						3	3	0
						8	4	0					
Fire-clay ...	0	1	6				Fire-clay ...	0	3	6			
Grey post ...	0	4	6				Strong grey post,				3	0	2
White post, with 50							with metal partings	0	2	0			
gallons feeder of							Strong white post	0	2	0			
water ...	5	2	0				Grey metal ...	0	1	1			
Strong brown post,							Strong white post	0	1	4			
with beds of whin	0	4	0				Dark grey metal ...	0	0	10			
Whin ...	0	2	3				Black stone or ramble	0	0	3			
Dark brown post ...	0	3	0				<i>Brockwell Seam—</i>						
White post ...	1	0	7					Ft.	In.				
Grey metal ...	0	1	6				COAL ...	0	8				
COAL ...	0	0	4				Band ...	0	3				
						9	1	8					
							COAL ...	4	1				
Fire-clay ...	0	2	2						0	5	0		
Grey metal ...	0	2	0								5	2	2
Carried forward	0	4	2	187	2	3	Total ...				200	0	5

No. 2,525.—CHIRDON.

TOWNSHIP OF CHIRDON, NORTHUMBERLAND.

Sheet 67 of Ordnance Map. Lat. $55^{\circ} 7' 25\frac{1}{2}''$, Long. $2^{\circ} 24' 0\frac{1}{2}''$.*Account of Strata exposed in Crummel's Sike and Jerry's Linn, near Allery Bank, Chirdon Burn, North Tyndedale.*

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Calcareous grit ...	2	0	6				Brought forward	4	3	0	6	3	6
Coarse shale ...	4	1	6				COAL ...	0	0	9			
COAL ...	0	1	6								4	3	9
				6	3	6	Shale ...	1	4	0			
Obscure interval ...	1	1	0				Sandstone ...	0	4	0			
Shale with some							COAL ...	0	0	9			
nodules ...	1	0	0								2	2	9
Sandstone ...	0	1	0				Shale ...	1	2	0			
Shale ...	1	2	0				Sandstone (Jerry's						
Sandstone ...	0	5	0				Linn) ...	4	4	0			
											6	0	0
Carried forward	4	3	0	6	3	6	Total ...				19	4	0

No. 2,526.—CHIRM.

TOWNSHIP OF BIGGE'S QUARTER, NORTHUMBERLAND.

Sheet 54 of Ordnance Map. Lat. $55^{\circ} 16' 43''$, Long. $1^{\circ} 47' 12''$.

*Account of Strata passed through in a Bore-hole near the foot of Linden Dean
at Coquet side, Chirm Colliery.*

Approximate surface-level 190 feet above sea (Ordnance datum).

						Fs. Ft. In.	Fs. Ft. In.
Stony freestone ...	...	...	...	...	...	13 4 0	
COAL, with water	...	...	...	...	...	0 2 0	
						<hr/>	14 0 0
Total ...	...	...	...	...	...		<hr/>14 0 0

No. 2,527.—CHIRM.

TOWNSHIP OF WINGATES, NORTHUMBERLAND.

Sheet 54 of Ordnance Map. Lat. $55^{\circ} 15' 57''$, Long. $1^{\circ} 50' 25''$.

Account of Strata bored through at Wester Heugh, Chirm Colliery.

Approximate surface-level 485 feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Strata	...	...	...	...	...	...	14	0	0			
COAL	...	...	...	...	...	...	0	2	0			
										14	2	0
Total	...	...	...	...	...	...				14	2	0

No. 2,528.—CHIRM.

TOWNSHIP OF WINGATES, NORTHUMBERLAND.

Sheet 54 of Ordnance Map. Lat. $55^{\circ} 15' 29''$, Long. $1^{\circ} 51' 10''$.

Account of Strata sunk through in the Success Pit, Chirm Colliery.

Approximate surface-level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	4	0	0				Brought forward	8	2	0	4	0	0
				4	0	0	Grey beddy freestone	2	3	0			
Blue metal ...	1	3	0				Blue metal ...	3	0	0			
Red freestone	2	0	0				Grey whin ...	0	2	0			
Black thill-stone	0	4	0				Blue metal ...	1	1	0			
White freestone	1	3	0				COAL ...	0	2	0			
Blue metal ...	2	0	0								15	4	0
Grey whin ...	0	4	0										
Carried forward	8	2	0	4	0	0	Total ...				19	4	0

No. 2,529.—CHIRM.

TOWNSHIP OF WINGATES, NORTHUMBERLAND.

Sheet 54 of Ordnance Map. Lat. _____, Long. _____.

Account of Strata sunk through in the Plough Pit, Chirm Colliery.

Approximate surface-level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and soil ...	14	0	0				Brought forward	0	4	0	14	0	0
				14	0	0	COAL ...	0	2	0			
Freestone ...	0	4	0								1	0	0
Carried forward	0	4	0	14	0	0	Total ...				15	0	0

No. 2,530.—CHOLLERTON.

TOWNSHIP OF CHOLLERTON, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. 55° 2' 42", Long. 2° 6' 42".

Account of Strata passed through in a Well situated in Field No. 32 on the Parish Ordnance Map published in 1896, and about 40 yards from the North British Railway.

Approximate surface-level 275 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, thin ...	0	0	0				Brought forward				2	4	0
Yellow clay and gravel, mixed ...	0	5	0				Blue sill, a species of shale, into ...	0	5	0			
Hard blue clay, with whinstone boulders	1	5	0								0	5	0
				2	4	0							
Carried forward				2	4	0	Total ...				3	3	0

N.B.—Got water at a depth of 16 feet.

No. 2,531.—CHOPWELL.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 55' 25", Long. 1° 49' 5".

Account of Strata bored through on Bolam's Farm, Chopwell Royalty, over the 20 Fathoms Dyke. Commenced November 8th, 1886.

Approximate surface-level 650 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	3	0				Brought forward	3	0	0	3	0	0
Rubble and mixed gannister or rough sandstone ...	2	3	0				Gannister and sandy mixture ...	1	5	0			
				3	0	0	Strong blue clay ...	0	3	0			
Framey gannister stone, very gullely	2	0	0				COAL , good ...	1	0	0			
Gannister, mixed with clay partings	1	0	0								6	2	0
Carried forward	3	0	0	3	0	0	Fire-clay, clean ...	0	4	0			
							Blue metal ...	3	2	0			
							White post ...	0	3	0			
							Carried forward	4	3	0	9	2	0

No. 2,531.—CHOPWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	3	0	9	2	0	Brought forward	11	0	0	9	2	0
Blue metal, mixed							Black shelly stone...	0	0	6			
with whin girdles	0	3	0				COAL ...	0	1	6			
Black slaty stone ...	0	1	0								11	2	0
Blue metal, mixed							Dark fire-clay ...	0	4	0			
with grey girdles	0	5	0				Dark grey metal ...	2	0	0			
Blue metal and iron,							Blue metal, with post						
mixed ...	1	0	0				girdles ...	1	0	0			
Blue metal, with iron							Grey metal, mixed						
girdles ...	1	0	0				with post ...	1	0	0			
Grey whin ...	0	1	0				COAL ...	0	2	9			
Blue metal ...	0	3	0								5	0	9
Blue metal, mixed							Strong grey metal	1	0	0			
with iron ...	0	2	0				Extra strong grey						
Dark blue metal,							metal, mixed with						
mixed with iron ...	1	0	0				post girdles ...	1	5	0			
Grey and blue mixed											2	5	0
metal ...	1	0	0										
Carried forward	11	0	0	9	2	0	Total ...				28	3	9

No. 2,532.—CHOPWELL.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat. $54^{\circ} 54' 41''$, Long. $1^{\circ} 46' 33''$.

Account of Strata passed through in a Diamond Bore-hole near Lintz Ford, Chopwell Woods, River Derwent, 1897. This Section commences 30 fathoms below the Brockwell Seam.

Approximate surface-level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, sand and soil	0	4	6				Brought forward	3	0	3	12	2	1
Boulder clay ...	2	0	0				Dark grey shale ...	0	3	10			
				2	4	6	Strong grey post ...	1	0	2			
Broken freestone ...	0	0	8				Dark grey shale ...	1	5	0			
Very dark grey shale	0	1	6				Strong grey post,						
COAL , very coarse	0	0	4				laminated... ..	10	1	7			
				0	2	6	Dark grey shale ...	3	3	6			
Dark grey shale ...	0	2	0				Very strong grey						
Grey sandstone ...	3	0	0				post ...	2	4	0			
Grey sandstone, with							Seggar-clay ...	0	0	9			
shale partings ...	1	2	6				Soft grey shale... ..	0	1	6			
Very dark grey shale	0	0	10				Light grey post ...	1	4	0			
Soft grey shale, with							Dark grey shale ...	1	1	0			
post girdles ...	0	4	6				Very strong grey						
Dark grey shale ...	0	3	8				post ...	0	5	2			
Strong grey post ...	0	2	1				Dark grey shale ...	3	0	2			
Soft dark grey shale	2	3	5				Light grey post,						
COAL ...	0	0	1				with coal threads...	0	2	0			
				9	1	1	Seggar-clay ..	0	2	4			
Seggar-clay ...	0	2	6				Dark shale ...	0	4	1			
Dark grey shale ...	0	4	9				Grey post ...	0	1	0			
Strong grey post ...	1	5	0				Dark grey shale ...	1	0	2			
Carried forward	3	0	3	12	2	1	Carried forward	32	4	6	12	2	1

No. 2,532.—CHOPWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	32	4	6	12	2	1	Brought forward	11	1	8	113	2	11
Grey shale, with post girdles ...	0	3	9				Grey post, with shale partings ...	0	5	8			
Grey post, metal partings ...	4	0	6				Strong grey post ...	2	3	10			
Dark grey shale ...	2	2	6				Strong grey post, with shale partings	8	0	2			
Grey limestone ...	0	1	11				Grey shale and ironstone balls ...	3	1	3			
Coarse grey seggar-clay ...	0	2	2				Blue limestone, with shells ...	1	1	2			
Grey post, with shale partings ...	1	2	1				Grey post ...	2	1	11			
Grey shale ...	1	2	0				Grey post and shale ...	1	2	4			
Coarse seggar-clay ...	0	1	0				Dark grey shale ...	0	3	5			
Grey post, with threads of shale ...	2	0	7				Grey post, with shale partings ...	0	5	2			
Grey shale ...	0	5	1				Soft dark grey shale ...	0	1	7			
Dark grey post ...	1	0	2				Strong grey post ...	6	3	3			
Seggar-clay, coarse ...	0	2	1				Grey shale ...	1	2	10			
Grey post, with shale partings ...	5	3	0				Grey post, with shale partings ...	4	1	6			
Dark grey shale, with post girdles	1	4	2				Grey shale ...	0	4	6			
Hard grey post ...	1	1	1				Grey post ...	0	2	0			
Dark grey shale, limestone shells ...	1	0	1				Dark shale ...	2	0	6			
Grey post, very coarse and strong ...	5	2	11				Grey post, with shale partings ...	1	3	9			
Grey shale, with post girdles ...	3	5	3				Dark grey shale and iron pyrites ...	3	0	11			
Limestone, with shale partings ...	3	0	10				Blue limestone ...	2	0	2			
Grey post ...	2	0	1				Grey post, with shale partings ...	0	5	5			
Dark grey shale ...	1	0	3				Grey shale, with post girdles ...	2	5	8			
Grey post ...	2	0	5				Hard grey post, with shale partings	3	2	2			
Grey shale ...	0	2	8				COAL ...	0	0	4			
Dark grey post ...	0	1	4								62	1	2
Dark grey shale, with ironstone bands ...	3	3	0				Grey post ...	0	1	3			
Grey siliceous post ...	1	1	8				Grey shale, with pyrites ...	3	4	3			
Grey limestone ...	0	2	8				Blue limestone ...	1	0	10			
Coarse grey post ...	8	2	11				Dark grey shale ...	2	1	6			
Grey post, with coal threads ...	0	5	5				Blue limestone ...	8	2	2			
Dark grey shale ...	0	5	1				Dark grey post ...	0	1	4			
Grey limestone ...	2	3	8				Grey shale, with pyrites ...	0	1	1			
Grey post, with shale partings ...	3	1	3				Gannister ...	0	1	0			
Grey shale, with post girdles ...	1	4	11				Grey post, with silica	5	4	7			
Strong grey post ...	2	3	9				COAL, coarse ...	0	0	2			
COAL, coarse ...	0	0	1								22	0	2
				101	0	10	Dark grey post ...	0	2	7			
Dark grey post, with shale partings ...	3	5	6				Very coarse strong post, with coal threads ...	9	0	3			
Dark grey shale ...	2	1	4				Dark grey shale ...	6	4	2			
Strong grey post and limestone ...	0	1	4				Blue limestone ...	3	2	2			
Strong grey post ...	4	5	6				Grey post ...	2	2	7			
											21	5	9
Carried forward	11	1	8	113	2	11	Total ...				219	4	0

No. 2,533.—CHOPWELL.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 55' 28", Long. 1° 47' 50".

Account of Strata sunk through in the Furnace Pit at Heavy Gate, Garesfield Colliery, from the Stone Coal Seam to the Brockwell Seam, 1869.

Approximate surface-level 650 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward				35	4	8
to top of <i>Towneley</i>							Strata ...	4	0	0			
<i>Seam</i> ...	17	5	1				<i>Three-Quarter Seam</i> —						
<i>Towneley Seam</i> —													
	Ft.	In.					COAL , good	2	6				
Splint ...	0	7½					Danty band	0	0½				
COAL , coarse	0	1					COAL ...	0	4				
COAL , good	1	4½					Clay band...	0	0½				
Black band	0	0½					COAL , good	0	2½				
COAL ...	0	6								0	3	1	
COAL , coarse	0	1½											4 3 1
			0	2	9		Strata ...	3	5	6			
						18	<i>Brockwell Seam</i> —						
Strata ...	13	2	0					Ft.	In.				
<i>Stone Coal Seam</i> —							COAL ...	0	5¾				
COAL ...	0	2	10				Clay band...	0	9				
				13	4	10	COAL ...	0	4				
Strata ...	3	0	11				Black band	0	3¾				
<i>Five-Quarter Seam</i> —							COAL ...	2	0½				
COAL ...	0	3	1				Splint ...	0	4				
				3	4	0				0	4	3	
													4 3 9
Carried forward				35	4	8	Total ...				44	5	6

No. 2,534.—CHRISTON BANK.

TOWNSHIP OF EMBLETON, NORTHUMBERLAND.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of Strata bored through at Christon Bank by R. Young.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	3	0				Brought forward	14	4	9	0	5	6
Stone and clay	0	2	6				Mixed metals	2	5	3			
				0	5	6	Grey post girdles	0	0	5			
Freestone ...	0	5	8				Mixed metals	0	5	3			
Blue metal ...	2	3	0				Post panel ...	1	4	8			
<i>Bastard limestone</i> ...	0	1	6				<i>Limestone</i> ...	0	3	6			
Grey metal ...	0	0	3				Grey post ...	0	2	9			
<i>Bastard limestone</i> ...	1	1	0				<i>Limestone</i> ...	0	1	2			
Blue metal ...	0	0	4				Grey post ...	7	4	2			
<i>Limestone</i> ...	0	1	9				Blue metal ...	1	1	9			
Blue metal ...	0	0	4				COAL ...	0	1	10			
<i>Limestone</i> ...	0	0	9								30	5	6
Grey metal ...	0	0	11				Fire-clay ...	0	2	6			
<i>Limestone</i> ...	1	5	3				Grey metal ...	0	1	6			
Blue metal ...	0	5	9				Grey post ...	0	2	6			
Freestone ...	0	1	6				Grey metal ...	0	3	9			
Grey metal ...	0	3	6				Grey post ...	0	2	11			
Grey post ...	1	4	0				Grey metal ...	1	1	4			
Blue metal ...	3	1	0				Blue metal ...	0	1	3			
<i>Limestone</i> ...	0	4	3								3	3	9
Carried forward	14	4	9	0	5	6	Total ...				35	2	9

No. 2,535.—CLARA VALE.

TOWNSHIP OF CRAWCROOK, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 53' 40", Long. 1° 47' 40".

Account of Strata sunk through at Clara Vale Colliery, 1893.

Approximate surface-level 66·32 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward				39	4	7
Loamy sand	2	0	0				Bastard seggar-clay	1	0	7			
				2	1	6	Blue metal, with post						
Shivery freestone ...	2	4	0				girdles	1	1	9			
Freestone	2	5	6				<i>Hand Coal Seam—</i>						
Blue metal	0	5	6				COAL	0	0	3			
Blue metal, with post											2	2	7
girdles	2	4	0				Seggar-clay	0	3	2			
Blue metal	3	3	6				Grey post	0	3	11			
Grey metal	0	4	6				White post	1	3	9			
Grey post	1	3	0				Grey freestone ...	0	5	4			
<i>Ruler Seam—</i>							Blue metal	0	3	0			
COAL	0	7½					<i>Stone Coal Seam—</i>						
Band	0	0½					COAL	2	6				
COAL	2	0					Band	0	1				
Band	0	10¾					COAL	0	7				
COAL	0	3									0	3	2
				0	3	9							
											4	4	4
Bastard seggar-clay	0	4	0				Seggar-clay	0	2	0			
Grey post	5	4	3				Post girdle	0	1	1			
Blue metal	1	4	6				Blue metal	1	3	10			
							<i>Five-Quarter Seam—</i>						
COAL	0	6					COAL	0	3				
Clay	1	1					Band	0	0½				
COAL	0	8					COAL	0	3½				
				0	2	3	Band	0	0¾				
							COAL	3	1½				
											0	3	9
Seggar-clay	0	5	0										
Grey metal, with post											2	4	8
girdles	1	1	9				Seggar-clay	0	0	9			
COAL	0	1	0				Blue metal, with post						
							girdles	0	2	4			
Grey post	2	5	2				COAL	0	0	2			
Blue metal	0	5	10								0	3	3
<i>Towneley Seam—</i>							Blue metal	3	1	9			
Splint	0	7½					Blue metal, with post						
COAL, coarse	0	3½					girdles	0	4	0			
Band	0	1½					<i>Three-Quarter Seam—</i>						
COAL, good	3	2¾					COAL	1	6				
				0	4	3	Band	0	3				
							COAL	0	7				
											0	2	4
Seggar-clay	0	3	0										
Bastard seggar-clay	0	3	8								4	2	1
<i>Hodge Seam—</i>							Seggar-clay	0	2	6			
COAL	0	0	9				Grey post and whin	2	2	1			
							Seggar-clay	0	4	11			
Blue metal	1	3	6				Bastard seggar-clay	0	3	9			
Grey post*	3	2	2				Blue metal	0	2	10			
<i>Tilley Seam—</i>							Blue metal, with post						
COAL	0	2	3				girdles	1	0	7			
				5	1	11							
Carried forward				39	4	7	Carried forward	5	4	8	54	3	6

* Heavy feeders of water.

No. 2,535.—CLARA VALE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	4	8	5	4	6	Brought forward	0	5	11	66	2	5
White post ...	2	3	3				Blue metal ...	0	1	0			
Blue metal, with post							COAL ...	0	0	8			
girdles, with ...	2	5	7								1	1	7
Black stone ...	0	0	8				Seggar-clay ...	0	0	10			
<i>Brockwell Seam</i> —							Grey post ...	0	2	6			
	Ft.	In.					White post, with						
COAL , splint 0	5	4					metal partings ...	1	0	10			
COAL ... 2	1	4					Blue metal ...	1	1	11			
COAL , splint 0	2	4					Grey post ...	1	1	0			
	—	0	2	9			White post ...	1	0	0			
				11	4	11	Blue metal ...	0	1	6			
Seggar-clay ...	0	2	11				COAL ...	0	0	3			
White post ...	0	3	0								5	2	10
Carried forward	0	5	11	66	2	5	Total ...				73	0	10

No. 2,536.—CLARENCE.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 39", Long. 1° 12' 31".

Account of Strata passed through in No. 1 Boring put down at Port Clarence for Messrs. Bell Brothers, Limited, 1890.

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy clay ...	1	4	0				Brought forward	104	2	0	15	2	0
Sand ...	5	3	0				Sandy marl ...	6	3	0			
Sand and gravel ...	2	3	0				Marl ...	28	4	0			
Sand ...	0	1	0								139	3	0
Gravel ...	0	5	0				Hard white stone ...	0	5	0			
Sand and gravel ...	0	3	0				Marl ...	5	4	0			
Gravel and pinnel ...	4	1	0				Marl and gypsum ...	18	5	0			
				15	2	0					25	2	0
Red sandstone ...	76	2	0				White stone ...	2	4	0			
Sandy marl ...	10	2	0				Marl, containing salt	2	3	0			
Red sandstone ...	2	2	0				Salt ...	14	4	0			
Sandy marl ...	0	4	0				Salt and marl ...	1	5	8			
Red sandstone ...	2	4	0				Blue shale and						
Sandy marl ...	4	2	0				anhydrite ...	1	4	0			
Sandstone ...	7	4	0								23	2	8
Carried forward	104	2	0	15	2	0	Total ...				203	3	8

No. 2,537.—CLARENCE.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 38", Long. 1° 12' 2".

Account of Strata passed through in No. 3 Boring put down at Port Clarence for Messrs. Bell Brothers, Limited, 1890.

Approximate surface-level 20 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface ...	14	5	0				Brought forward	9	2	0	14	5	0
				14	5	0	Sandstone, with marl						
Marl ...	8	4	0				beds ...	16	3	0			
Sand and gravel ...	0	4	0				Red sandstone ...	5	0	0			
Carried forward	9	2	0	14	5	0	Carried forward	30	5	0	14	5	0

No. 2,537.—CLARENCE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	30	5	0	14	5	0	Brought forward	10	4	0	162	3	0
Sandy marl ...	...	2	1	0			Marl, with a little						
Sandstone ...	...	13	4	0			gypsum ...	...	1	5	0		
Marl and sandstone	17	2	0				Marl ...	...	1	3	0		
Sandy marl ...	...	5	1	0			Marl and gypsum...	4	4	0			
Sandstone ...	...	4	0	0			Marl ...	...	5	5	0		
Sandy marl ...	...	4	3	0			Muddy marl ...	...	1	2	0		
Marl ...	...	5	5	0			Marl ...	...	3	5	0		
Marl and sandstone	13	1	0				Marl and gypsum...	2	0	0			
Marl ...	...	3	4	0							31	4	0
Sandstone and marl	3	3	0				White stone...	...	1	1	0		
Marl ...	...	2	1	0			White stone and						
Sandy marl ...	...	8	3	0			marl ...	...	1	2	0		
Marl ...	...	33	1	0			Marl ...	...	2	3	0		
				147	4	0	Salt ...	...	15	3	0		
Limestone ...	...	1	2	0			Salt and bluish						
Marl ...	...	6	0	0			marl ...	...	0	3	0		
Very soft marl	...	1	3	0			Anhydrite and marl	1	4	0			
Marl ...	...	1	5	0							22	4	0
Carried forward	10	4	0	162	3	0	Total ...	...	216	5	0		

No. 2,538.—CLARENCE.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 41", Long. 1° 12' 13".

Account of Strata passed through in No. 5 Boring put down at Port Clarence for Messrs. Bell Brothers, Limited, 1892.

Approximate surface-level 15 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface ...	...	23	0	0			Brought forward	135	4	0	23	0	0
				23	0	0	Red marl ...	...	2	0	0		
Red sandy marl ...	...	7	0	0							137	4	0
Red sandstone and							Red marl, with						
a little marl ...	...	15	0	0			veins of gypsum...	12	3	0			
Red sandstone ...	...	38	4	0			Red marl ...	...	5	1	0		
Red sandstone and							Red marl, with veins						
red marl ...	...	11	2	0			of gypsum ...	...	3	2	0		
Red marl ...	...	2	1	0			Red marl and much						
Red sandstone, with							gypsum ...	...	4	3	0		
streaks of marl ...	...	5	4	0			Red marl ...	...	1	0	0		
Red marl, with small											26	3	0
streaks of sand-							White stone...	...	1	5	0		
stone ...	...	5	0	0			Red marl ...	...	0	3	0		
Red marl ...	...	4	3	0			Broken marl ...	...	2	3	0		
Red marl, with							Broken marl, with						
streaks of sand-							salt ...	...	0	4	0		
stone ...	...	4	4	0			Salt ...	...	15	0	0		
Red marl ...	...	17	1	0			Anhydrite ...	...	0	5	0		
Red sandstone ...	...	3	2	0			Salt ...	...	2	0	0		
Red marl ...	...	17	3	0			Anhydrite ...	...	0	2	0		
Red marl, with a											23	4	0
little sandstone ...	...	3	4	0			Total ...	...	210	5	0		
Carried forward	135	4	0	23	0	0							

No. 2,539.—CLARENCE HETTON.

TOWNSHIP OF CORNFORTH, DURHAM.

Sheet 35 of Ordnance Map. Lat. $54^{\circ} 43' 4''$, Long. $1^{\circ} 30' 46''$.

*Account of Strata passed through at Clarence Hetton Colliery in 1838, in
No. 4 Bore-hole on West Side of Turnpike, about 600 yards West of
the Bell Pit, Coxhoe.*

Approximate surface-level 295 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow soil	0	1	6			Brought forward				37	2	6
Strong clay	14	0	9			Grey metal, with						
					14	2	3	strong girdles ...	1	5	0		
Grey metal	0	5	5			White post ...	...	2	0	10		
Black metal stone	1	4	0			Dark metal ...	...	0	4	7		
Blue metal stone	0	5	5			COAL ...	...	0	1	10		
Low main post	10	0	5							5	0	3
<i>Low Main Seam—</i>							Grey metal stone,						
COAL	0	2	6			with post girdles	3	5	5			
					13	5	9	COAL ...	...	0	2	3	
Grey metal	1	2	0							4	1	8
White post	0	5	5			Grey metal, with						
Grey metal stone	6	4	7			girdles ...	...	0	5	3		
COAL	0	0	6							0	5	3
					9	0	6						
Carried forward					37	2	6	Total ...			47	3	8

No. 2,540.—CLARENCE HETTON.

TOWNSHIP OF COXHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. $54^{\circ} 43' 12''$, Long. $1^{\circ} 30' 8''$.

*Account of Strata sunk through at Clarence Hetton Colliery. Commenced
June, 1839.*

Approximate surface-level 309 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong brown clay...	3	0	0				Brought forward	2	4	4	12	3	0
Sand ...	...	0	3	0									
Strong blue clay ...	...	5	0	0			COAL , good	1	5				
Quicksand ...	...	2	3	0			Grey metal ...	0	7				
Strong blue clay ...	...	1	3	0			COAL , good	3	7				
					12	3	0				0	5	7
Brown post, with											3	3	11
metal partings ...	...	2	4	0									
Black stone...	...	0	0	4									
Carried forward	2	4	4	12	3	0	Total ...	...	16	0	11		

No. 2,541.—COANWOOD.

TOWNSHIP OF FEATHERSTONE, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in No. 1 Bore-hole, Coanwood Colliery,
near the Southern Edge of the Coal-field, and 38 chains S. 56 E.
from Herdley Bank Pit.*

Approximate surface-level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil			0	0	9												
						0	0	9	Brought forward	15	3	6	0	0	9		
Loose sandstone									Blue limestone	...	0	2	9				
blocks	1	5	0						Strong dark grey								
Black shale, with									shale	4	2	0					
mica	1	0	0						Grey sandstone	...	4	5	6				
Brown sandstone,									White sandstone	...	0	2	6				
very jointy ...	3	5	0						Dark slaty shale	...	1	0	0				
White sandstone	4	1	0						Sandstone ...	...	3	2	0				
Dark grey shale, with									Blue shale ...	...	0	4	0				
sandstone bands									Sandstone ...	...	1	4	0				
and sulphur balls	2	1	6						Light shaly sand-								
Sandstone	0	1	6						stone ... ..	...	1	0	0				
Dark grey shale	1	1	6						Shale ... ..	...	0	3	0				
Fine grey shale	1	0	0														
															33	5	3
Carried forward	15	3	6	0	0	9			Total ...						34	0	0

No. 2,542.—COANWOOD.

TOWNSHIP OF FEATHERSTONE, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in No. 2 Bore-hole, Coanwood Colliery,
88 yards South of No. 1 Bore-hole.*

Approximate surface-level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil			0	0	9												
						0	0	9	Brought forward	5	3	6	5	4	1		
Sandstone boulders...	2	0	0						Dark shale ...	...	0	1	9				
Light yellow sand-									Sandstone ...	...	2	1	0				
stone	3	3	0						Dark shale ...	...	1	3	0				
COAL, foul...	0	0	4						Hard sandstone	...	0	0	6				
						5	3	4	Dark shale ...	...	2	3	2				
Dark shale	1	0	0						Limestone ...	...	0	2	0				
Sandstone	4	3	6						Dark shale ...	...	2	0	0				
															14	2	11
Carried forward	5	3	6	5	4	1			Total ...						20	1	0

No. 2,543.—COANWOOD.

TOWNSHIP OF FEATHERSTONE, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat.

, Long.

*Account of Strata passed through in No. 3 Bore-hole, Coanwood Colliery,
262 yards South of Herdley Bank Pit.*

Approximate surface-level						feet above sea (Ordnance datum).							
	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	8				Brought forward	8	2	10	6	3	8
Clay, with boulders	6	3	0				Strong dark grey						
				6	3	8	shale	5	2	6			
Dark shale	1	3	0				Whin	5	0	4			
Yellow sandstone ...	1	1	6								18	5	8
Grey sandstone ...	5	4	4										
Carried forward	8	2	10	6	3	8	Total				25	3	4

No. 2,544.—COANWOOD.

TOWNSHIP OF FEATHERSTONE, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat.

, Long.

*Account of Strata sunk through in the Engine Pit, East Coanwood Colliery,
1869, by William Fryar.*

Approximate surface-level						feet above sea (Ordnance datum).									
			Fs.	Ft.	In.				Fs.	Ft.	In.				
Soil ... ..	...	...	0.	2	6				Brought forward	3	0	11	9	0	1
Clay, mixed with	...	...							Soft sandstone ...	...	0	4	3		
stones ... ..	...	...	1	4	6	2	1	0	Grey post ... ..	...	0	2	10		
									Grey beds ... ..	...	1	5	4		
Blue shale ... ..	...	...	0	3	0				Black shale ... ..	...	0	4	0		
Grey post ... ..	...	...	0	1	6				Dark coarse seggar-						
Blue metal ... ..	...	...	0	4	0				clay ... ..	...	1	5	0		
Soft post ... ..	...	...	0	1	6				COAL ... ..	...	0	0	6		
Grey metal ... ..	...	...	0	4	3								8	4	10
Soft white post	...	...	0	2	3				Seggar-clay, with iron						
Grey metal ... ..	...	...	0	2	0				balls ... ..	...	1	0	0		
Soft white post	...	...	0	3	0				Grey beds ... ..	...	1	1	1		
Blue metal ... ..	...	...	0	1	0				Grey metal ... ..	...	0	5	2		
Bad dark seggar-clay	...	...	1	0	0				COAL ... ..	...	0	1	4		
White post ... ..	...	...	0	3	6								3	1	7
Soft white post, with	...	...							Dark seggar-clay and						
partings ... ..	...	...	0	3	6				iron balls ... ..	...	0	0	8		
Grey metal ... ..	...	...	0	4	0				Grey metal ... ..	...	3	0	6		
Black shale ... ..	...	...	0	1	0				Black shale, mixed						
COAL ... ..	...	...	0	0	7	6	5	1	with coal ... ..	...	0	1	0		
									COAL ... ..	...	0	0	3		
Dark seggar-clay ...	...	...	0	3	0								3	2	5
Post band and seggar-	...	...							Seggar-clay ... ..	...	0	0	10		
clay ... ..	...	...	0	3	0				Grey metal ... ..	...	0	5	2		
Grey metal ... ..	...	...	0	5	5				Strong grey post ...	...	0	2	2		
Grey beds ... ..	...	...	1	1	6				Grey metal ... ..	...	0	4	0		
Carried forward	3	0	11	9	0	1			Carried forward	2	0	22	4	2	11

No. 2,544.—COANWOOD.—CONTINUED.

Brought forward					Brought forward				
Ft. In.					Ft. In.				
2 0 2 24 2 11					0 3 0 52 5 0				
<i>Five-Quarter Seam—</i>					<i>Post ...</i>				
Ft. In.					0 3 5				
COAL ...	0	4			Grey metal ...	0	2	7	
Band ...	0	1			White post ...	1	2	0	
COAL ...	0	8			Grey beds ...	0	4	4	
Band ...	0	2			Black plate ...	4	3	10	
COAL, good ...	3	6			COAL ...	0	1	0	
Band ...	0	2						8	2 2
COAL ...	0	8			Dark coarse seggar-				
Band ...	0	3			clay ...	0	1	6	
COAL ...	0	4			Post girdles, with				
			1	0 2	metal partings or				
				3 0 4	grey beds ...	7	1	0	
Seggar-clay, with iron					<i>Seven-Quarter or Slag</i>				
balls ...	0	5	9		Ft. In.				
<i>Yard Seam—</i>					COAL ...	3	3 $\frac{1}{4}$		
COAL ...	0	2	7		Slag ...	0	1		
			1	2 4	COAL ...	1	9 $\frac{3}{4}$		
Seggar-clay, with iron-								0	5 2
stone and splint ...	0	1	1						8 1 8
Grey beds ...	2	1	11		Dark coarse seggar-				
Blue metal, with					clay ...	0	1	4	
ironstone bands ...	1	3	10		Grey metal ...	0	1	6	
COAL, with 9 inches					Grey post ...	0	2	0	
of band ...	0	2	1		Grey beds ...	1	2	10	
			4	2 11	Brown post and grey				
Seggar-clay ...	0	4	0		beds ...	2	4	4	
Grey post ...	1	2	8		COAL, cannel ...	0	1	4	
Grey and blue metal	0	5	1					5	1 4
COAL ...	0	1	9		Dark seggar-clay ...	0	1	0	
			3	1 6	Grey post ...	1	0	0	
Dark seggar-clay ...	0	4	8		Grey beds ...	0	2	6	
Grey metal ...	1	5	2		Grey metal ...	0	2	7	
COAL, with 3 inches					White post ...	1	2	0	
of band ...	0	1	9		Grey beds ...	0	4	4	
			2	5 7	Black plate ...	0	3	4	
Dark seggar-clay ...	0	1	3		Ironstone band ...	0	0	3	
Grey beds ...	0	4	2		Black plate ...	1	1	6	
White post ...	0	5	8		Light slippery plate	2	0	0	
Grey beds ...	0	2	9		Black plate ...	0	5	0	
COAL ...	0	0	3		COAL ...	0	1	0	
			2	2 1				8	5 6
Dark seggar-clay ...	0	4	5		Dark coarse seggar-				
Grey beds ...	2	2	7		clay ...	0	1	6	
Grey metal ...	2	4	0		Coarse grey post ...	0	4	3	
White post ...	1	2	2		Grey metal ...	0	0	1	
Grey beds ...	0	5	2		Grey post ...	0	3	0	
Coom ...	2	1	0		Grey metal ...	0	0	1	
<i>Coom-roof Seam—</i>					Grey post ...	0	2	3	
Ft. In.					Grey metal ...	0	0	7	
COAL ...	2	9			Grey post ...	0	1	0	
Band ...	0	4			Grey beds ...	0	3	8	
COAL ...	0	11			Strong brown post,				
			0	4 0	mixed with metal				
				10 5 4	partings ...	0	3	7	
Seggar-clay ...	0	0	6					3	2 0
Grey metal ...	0	2	6						
Carried forward	0	3	0 52	5 0	Total ...			86	5 8

No. 2,545.—COANWOOD.

TOWNSHIP OF FEATHERSTONE, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat. 54° 55' 29", Long. 2° 30' 1½".

Account of Strata sunk through in the Herdley Bank Shaft, West Coanwood Colliery.

Approximate surface-level 620 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	12	4	0				Brought forward				39	3	10
Freestone	1	0	0				Fire-clay	0	4	0			
Grey girdles and post	1	0	2				COAL						
Black plate, mixed							Band	0	4				
with coal	0	0	10				COAL	0	8				
COAL	0	1	0								0	1	9
				2	2	0							0 5 9
Fire-clay, with iron							Plate	1	4	0			
balls	0	5	0				COAL	0	0	3			
Grey freestone ...	1	1	0								1	4	3
Black plate, mixed							Plate	0	1	0			
with coal	0	4	6				Fire-clay	1	0	6			
Strong blue plate,							Freestone	7	1	0			
with freestone band	1	3	10				Coom	1	5	8			
Five-Quarter Seam—							Coom-roof Seam—						
COAL	0	4					COAL	0	4	0			
Band	0	4									11	0	2
COAL	3	0					Freestone	4	0	0			
				0	3	8	Light plate	1	4	6			
							Black slippery plate	0	5	6			
Fire-clay	0	3	0				Coom	1	3	0			
Coaly plate	0	0	10				COAL	0	1	0			
Fire-clay, with small											8	2	0
iron balls	0	0	10				Blue plate, mixed						
Coaly plate	0	0	10				with ironstone beds						
Fire-clay, with small							and balls	1	1	7			
iron balls	0	2	6				Freestone	7	5	0			
White freestone ...	12	1	0				Seven-Quarter or Slag						
COAL	0	1	0				Seam—						
				13	4	0	COAL	3	4				
Fire-clay	0	1	3				Band	0	1				
Freestone	1	0	0				COAL	2	0				
Grey beds	0	4	0								0	5	5
COAL	0	0	7										10 0 0
				1	5	10							
Fire-clay, coarse ...	1	1	0				Freestone	1	3	0			
Freestone	1	5	6				Grey beds	0	3	0			
Blue plate	0	3	0								2	0	0
Yard Seam—													
COAL	0	2	6										
				4	0	0							
Carried forward				39	3	10	Total				73	4	0

No. 2,546.—COASTLEY.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 94 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at Coastley.

Approximate surface-level

feet above sea (Ordnance datum).

Soil	Ft. In. Ft. In. Ft. In.				Ft. In.	Ft. In.	Ft. In.	Ft. In.	Ft. In.
	1	1	0	1						1	0
White and brown hard sandstone	18	5	6						
Shale	0	2	0						
Sandstone	0	1	0						
Iron band	0	0	3						
Sandy shale	0	1	3						
Sandstone	0	1	0						
Dark shale	1	2	0						
Limestone	0	5	0						
Light sandstone	0	1	0						
Dark shale	0	5	0						
Limestone	0	1	0						
Shale	1	4	0						
Sandstone	3	0	0						
Shale	0	2	6						
Sandstone	0	4	0						
Shale	1	1	0						
Sandstone	0	5	0						
Shale	3	0	0						
Sandstone	1	1	0						
Fire-clay	0	2	0						
COAL	0	0	6						
Fire-clay	0	1	3						
Sandstone	0	3	0						
Shale	0	1	6						
Sandstone	1	0	3						
Shale	0	5	0						
Sandstone	5	5	0						
Shale	0	5	6						
Sandstone	6	5	0						
Shale	1	1	6						
Sandstone	1	4	0						
Shale	0	2	6						
Sandstone	6	3	0						
Shale	0	1	6						
Grey beds	1	4	0						
Shale	4	4	6						
Limestone	0	2	0						
Sandstone	1	0	0						
COAL	0	0	11						
Sandstone	0	5	0						
Grey beds	0	5	0						
Sandstone	1	0	0						
Carried forward	2	4	0	71	0	5			

Brought forward				Ft. In.	Ft. In.	Ft. In.	Ft. In.	Ft. In.	Ft. In.
Shale	0	3	9						
Grey beds	1	3	0						
Shale	4	0	0						
Sandstone	2	0	0						
Shale	1	2	9						
Sandstone	1	1	6						
Shale	0	5	9						
Sandstone	7	4	0						
Limestone	0	2	0						
Sandstone	0	4	6						
Shale	0	2	0						
Limestone	0	1	6						
Sandstone	1	4	0						
Limestone and shale, mixed	2	0	0						
Shale	4	3	0						
Limestone	0	1	6						
Sandstone	0	3	6						
Shale	0	3	0						
Shale and limestone	3	2	0						
Shale	1	4	0						
Limestone	0	1	6						
Shale	4	2	0						
Little Limestone	2	3	0						
COAL and shale, mixed	0	1	3						
Sandstone	1	0	0						
Sandy shale	3	2	6						
Sandstone	0	5	6						
Shale	0	5	0						
Little Limestone Seam—									
COAL	2	0							
Sandstone	0	2							
COAL	0	9							
Shale	0	1							
COAL	0	2							
Shale	0	4							
COAL	0	3							
Fire-clay	0	3	9						
Shale	0	2	0						
Sandstone, into	0	3	0						
Total	124	2	8						

No. 2,547.—COATYARDS.

TOWNSHIP OF COATYARDS, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. $55^{\circ} 14' 27\frac{1}{2}''$, Long. $1^{\circ} 52' 9''$.

Account of Strata passed through in a Bore-hole put down near Coatyards Farm on the North Side of the Road leading to it and due South of the Pits, 1903.

Approximate surface-level 730 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	0	4	0				Brought forward	13	2	10			
				0	4	0	Seggar-clay ...	0	4	0			
Freestone ...	2	0	0				Blue shale and post						
Grey shale ...	10	0	0				panels ...	10	4	0			
Blue shale ...	0	1	6				Whin ...	0	0	10			
Black shale ...	0	1	2				Blue shale ...	1	3	0			
Netherwitton Bottom							Whin ...	0	4	0			
Seam—							Post ...	3	2	0			
COAL ...	0	2	2					16	5	10			
				12	4	10							
Carried forward				13	2	10	Total ...	30	2	8			

No. 2,548.—COATYARDS.

TOWNSHIP OF COATYARDS, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. $55^{\circ} 14' 29''$, Long. $1^{\circ} 52' 11\frac{1}{2}''$.

Account of Strata sunk through in the North Pit, Coatyards Colliery, 1903.

Approximate surface-level 730 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy clay ...	1	0	0				Brought forward	12	0	8	1	0	0
				1	0	0	Netherwitton Bottom						
Freestone ...	1	4	0				Seam—						
Grey shale ...	10	0	0				COAL ...	0	1	10			
Blue shale ...	0	1	6					12	2	6			
Black shale...	0	1	2										
Carried forward	12	0	8	1	0	0	Total ...	13	2	6			

No. 2,549.—COATYARDS.

TOWNSHIP OF COATYARDS, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. $55^{\circ} 14' 28''$, Long. $1^{\circ} 52' 11''$.

Account of Strata sunk through in the South or Water Pit, Coatyards Colliery, 1903.

Approximate surface-level 730 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy clay ...	0	5	0				Brought forward	12	2	6	0	5	0
				0	5	0	Black shale...	0	1	2			
Freestone ...	1	4	0				Netherwitton Bottom						
Grey shale ...	10	3	0				Seam—						
Blue shale, with coal							COAL ...	0	2	0			
pipes ...	0	1	6					12	5	8			
Carried forward	12	2	6	0	5	0	Total ...	13	4	8			

No. 2,550.—COCKEN.

TOWNSHIP OF COCKEN, DURHAM.

Sheet 20 of Ordnance Map. Lat. $54^{\circ} 49' 16''$, Long. $1^{\circ} 32' 11''$.*Account of Strata sunk through at Cocken Colliery, in an Upcast Shaft close to Old Cocken Pit, 1869.*

Approximate surface-level 188 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Rubbish above natural surface	1	3	0			Brought forward				18	4	10
Yellow clay...	...	1	0	4			Thill stone ...	0	2	8			
Sand	0	0	9			Grey leafy post ...	2	1	3			
Blue clay	2	0	0			Whin ...	...	0	1	6		
Gravel	0	0	3			Post ...	...	0	2	0		
Strong blue clay, with stones	...	3	2	0			Post girdles, with metal partings ...	1	1	6			
					8	0	4	Blue metal ...	0	4	0		
Grey metal	0	3	3			Dark leafy post ...	1	4	0			
Post, with metal partings	...	4	0	6			Grey metal ...	2	0	0			
Blue metal	1	2	3			Post, with metal partings	...	1	3	3		
Black stone...	...	0	3	6			Grey metal ...	...	1	0	6		
Thill stone	0	1	0			Post ...	...	0	1	0		
Grey metal	1	0	6			Blue metal ...	...	0	6	6		
Blue metal	2	3	0			Low Main Seam—						
Maudlin Seam—							COAL ...	...	0	2	9		
COAL	0	2	6							12	0	11
					10	4	6						
Carried forward					18	4	10	Total ...	...	30	5	9	

No. 2,551.—COCKERTON.

TOWNSHIP OF COCKERTON, DURHAM.

Sheet 55 of Ordnance Map. Lat. $54^{\circ} 32' 51''$, Long. $1^{\circ} 34' 32''$.*Account of Strata bored through near Mr. Backhouse's House at Favordale, near Cockerton, Darlington. Commenced August 1st, 1898.*

Approximate surface-level 220 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	1	6			Brought forward	2	3	0	7	5	0
Hard stony clay ...	...	1	1	6			Hard limestone, with water ...	1	4	0			
Sand, with water ...	...	0	4	9			Marl ...	3	5	0			
Hard stony clay ...	...	5	4	0			Hard limestone, with water ...	2	1	0			
					7	5	0				10	1	0
Hard limestone, with marl partings ...	...	2	3	0									
Carried forward	2	3	0	7	5	0	Total ...	...	18	0	0		

No. 2,552.—COCKFIELD.

TOWNSHIP OF COCKFIELD, DURHAM.

Sheet 41 of Ordnance Map. Lat.

, Long.

Account of Strata bored through South of the Wigglesworth Fault, New Copley Colliery, 1866.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, clay and gravel	1	2	0				Brought forward	1	0	6	14	0	4
				1	2	0	Strong grey shale ...	0	2	10			
Broken brown sandstone ...	2	1	0				Strong sandstone girdle ...	0	0	7			
Sand ...	0	1	6				Strong grey shale ...	1	1	0			
Strong brown sandstone ...	4	1	6				Mild blue shale ...	0	0	6			
<i>Five-Quarter or Busty Seam—</i>							Strong grey shale ...	0	2	4			
COAL ...	Ft.	In.					Strong white sandstone ...	0	4	10			
Clay band ...	0	6					Brass band or a ball	0	0	4			
COAL ...	0	2					Strong white sandstone ...	1	0	5			
Clay band ...	0	5					Mild blue shale ...	2	4	0			
COAL ...	1	7					Sandstone girdles ...	0	2	0			
				1	1	0	Mild blue shale ...	0	5	5			
							Ironstone ...	0	0	2			
Strong white sandstone, with partings ...	3	0	3				Blue shale ...	0	1	3			
Strong blue shale ...	1	3	0				Ironstone ...	0	0	2			
White sandstone girdle ...	0	0	3				Mild blue shale ...	0	2	0			
Mild blue shale ...	0	1	6				Mild coal shale ...	0	0	2			
COAL ...	0	0	4				<i>Brockwell Seam—</i>						
				4	5	4	COAL, cannel ...	1	7				
Fire-clay ...	0	1	10				COAL ...	4	6				
Grey shale ...	0	4	4				Band ...	0	0½				
Ironstone girdle ...	0	0	4				COAL ...	1	3½				
											10	5	11
Carried forward	1	0	6	14	0	4	Total ...				25	0	3

No. 2,553.—COCKFIELD.

TOWNSHIP OF LANGLEYDALE WITH SHOTTON, DURHAM.

Sheet 47 of Ordnance Map. Lat. 54° 36' 32", Long. 1° 51' 36½".

Account of Strata passed through in No. 6 Bore-hole, situated 176 yards South-east of High Wood Farm House, New Copley Colliery, 1900.

Approximate surface-level 750 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and cobbles ...	3	1	0				Brought forward	4	5	6	3	4	11
Millstone grit, boulder	0	2	1										
Gravel and clay ...	0	1	10				COAL ...	Ft.	In.				
				3	4	11	Dark blueshale	0	3				
Blue shale ...	4	4	9				COAL ...	0	3				
Dark blue shale ...	0	0	9								0	1	8
											5	1	2
Carried forward	4	5	6	3	4	11	Carried forward				9	0	1

No. 2,553.—COCKFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				9	0	1	Brought forward	10	3	6	11	2	3
Dark blue shale ...	0	1	0				Soft grey sandstone	1	0	6			
Grey sandy shale ...	1	0	6				Soft blue shale ...	1	4	1			
Hard grey sandstone ...	0	1	3				COAL ...	0	1	2			
Grey sandy shale ...	0	1	6								13	3	3
COAL ...	0	3	11				Soft fire-clay ...	0	3	2			
				2	2	2	Soft grey sandstone	1	2	6			
Soft fire-clay ...	0	2	5				Grey sandy shale ...	2	2	10			
Black shale...	0	0	10				COAL ...	0	0	7			
Dark blue shale ...	1	4	10								4	3	1
Grey sandy shale ...	1	4	3				Fire-clay ...	0	1	6			
Hard grey sandstone	1	4	9				Grey sandy shale ...	4	3	10			
Soft grey sandstone	0	5	3				Rods not drawn on						
Grey sandy shale ...	3	1	0				account of hole						
Hard grey sandstone	0	3	2				running ...	0	1	3			
Blue shale ...	0	1	0								5	0	7
Carried forward	10	3	6	11	2	3	Total ...				34	3	2

No. 2,554.—COCKFIELD.

TOWNSHIP OF COCKFIELD, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 36' 47\frac{1}{2}''$, Long. $1^{\circ} 50' 3\frac{1}{2}''$.*Account of Strata passed through in No. 23 Bore-hole, situated 44 yards South-west of Peth Row (West) Farm House, New Copley Colliery.*

Approximate surface-level 720 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	1	1	0				Brought forward				8	3	10
				1	1	0	Fire-clay ...	0	5	7			
Sandstone ...	0	5	9				Hard white sandstone ...	4	0	8			
Hard white sandstone ...	4	5	7				COAL ...	0	2	0			
Blue shale ...	1	3	3								5	2	3
COAL ...	0	0	3				Fire-clay ...	1	0	0			
				7	2	10					1	0	0
Carried forward				8	3	10	Total ...				15	0	1

No. 2,555.—COCKFIELD.

TOWNSHIP OF COCKFIELD, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 37' 4''$, Long. $1^{\circ} 49' 41\frac{1}{2}''$.*Account of Strata passed through in No. 24 Bore-hole, situated 220 yards South-west of Cockfield Station, New Copley Colliery.*

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel ...	0	2	6				Brought forward	6	1	2	0	2	6
				0	2	6	COAL ...	0	0	4			
Grey shale and grey sandstone ...	4	5	6								6	1	6
Black shale ...	1	1	8				Grey shale ...	0	3	0			
											0	3	0
Carried forward	6	1	2	0	2	6	Total ...				7	1	0

No. 2,556.—COCKFIELD.

TOWNSHIP OF COCKFIELD, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 36' 51\frac{1}{4}''$, Long. $1^{\circ} 49' 49''$.*Account of Strata passed through in No. 25 Bore-hole, situated 242 yards West of Wigglesworth Farm House, New Copley Colliery.*

Approximate surface-level 710 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	2	1	0				Brought forward	1	2	9	15	2	9
				2	1	0	Grey sandstone and shale ...						
Blue and grey shale	2	2	6				Dark grey sandstone	0	2	8			
Dark grey sandstone	1	2	6				Blue grey shale	1	1	6			
Dark shale ...	1	1	2				Dark shale ...	0	0	10			
Dark strong sandstone ...	0	2	9				COAL ...	0	1	4			
Blue shale ...	0	2	9								5	0	8
Sandstone girdle ...	0	0	4				Fire-clay ...	0	1	4			
Blue shale ...	0	3	6				Grey shale, mixed with sandstone	0	5	11			
Grey sandstone	1	0	0				Light blue shale	1	3	11			
Blue grey shale	3	3	0				COAL ...	0	1	2			
Sandstone girdle	0	0	6								3	0	4
Grey shale	0	2	4				Grey shale ...	0	1	8			
Sandstone girdle	0	0	4				Blue grey shale	0	5	0			
Black shale and sandstone ...	1	3	10				Sandstone girdle	0	0	6			
COAL ...	0	0	3				Grey shale	0	2	6			
				13	1	9	Sandstone girdle	0	0	8			
Grey shale ...	1	1	4				Grey shale ...	0	1	11			
Hard white sandstone ...	0	1	5								2	0	3
Carried forward	1	2	9	15	2	9	Total ...				25	4	0

No. 2,557.—COCKFIELD.

TOWNSHIP OF COCKFIELD, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 36' 38''$, Long. $1^{\circ} 49' 20''$.*Account of Strata sunk through in the John Pit, New Copley Colliery, 1868. No. 537 is another section of this pit.*

Approximate surface-level 735 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder clay ...	2	5	0				Brought forward	4	2	3	6	0	0
				2	5	0	Ft. In.						
Sandstone ...	0	2	0				COAL ...	0	11				
Blue shale ...	2	1	0				Band ...	0	1				
Hutton Seam—							COAL ...	1	4				
COAL ...	0	4	0								0	2	4
				3	1	0					4	4	7
Fire-clay ...	0	2	8				Fire-clay ...	0	0	7			
Blue shale ...	1	4	2				Grey sandstone	0	1	6			
Grey sandstone	0	3	0				Strong white sandstone	1	0	1			
Strong white sandstone ...	1	2	1				Blue shale	0	1	1			
Grey sandstone	0	0	10				COAL ...	0	0	4			
Blue shale ...	0	1	6								1	3	7
Carried forward	4	2	3	6	0	0	Carried forward				12	2	2

No. 2,557.—COCKFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				12	2	2	Brought forward	0	2	8	37	4	9
Fire-clay ...	0	0	8				COAL ...	0	0	4			
Strong white sandstone ...	0	2	11								0	3	0
Grey sandstone ...	0	2	6				Fire-clay ...	0	4	10			
White sandstone ...	0	3	2				Blue shale ...	4	5	4			
Grey sandstone ...	0	1	0				Sandstone ...	0	5	6			
Blue shale ...	0	0	10				COAL, splint ...	0	1	0			
White sandstone ...	0	0	10								6	4	8
Grey sandstone ...	0	0	7				Fire-clay ...	0	3	2			
Blue shale ...	0	4	2				White sandstone ...	1	4	7			
Ironstone ...	0	0	5				Strong white sandstone ...	6	4	4			
Blue shale ...	0	3	1				Grey sandstone ...	0	0	10			
COAL ...	0	0	4				Sandstone ...	0	2	11			
				3	2	6	Grey sandstone ...	0	1	10			
Sandstone ...	0	0	5				<i>Busty Seam—</i>						
Blue shale ...	0	1	3				COAL ...	Ft. In.					
Black shale ...	0	0	10				Band ...	0	6				
White sandstone ...	0	0	10				COAL ...	0	2				
Grey sandstone ...	0	1	11				Band ...	0	5				
Blue shale ...	6	3	6				COAL ...	1	7				
Black shale ...	0	2	1							1	1	0	
COAL, cannel ...	0	0	6										8
				7	5	4							
Fire-clay ...	0	1	3				Strong white sandstone ...	2	4	9			
Sandstone ...	0	2	6				Blue shale ...	1	2	4			
Grey sandstone ...	0	1	0				White sandstone						
Sand bed ...	0	0	3				girdles ...	0	0	3			
Grey sandstone ...	0	2	0				Mild blue shale ...	0	1	4			
Blue shale ...	0	1	7				COAL ...	0	0	4			
Grey sandstone ...	0	2	6								4	3	0
Blue shale ...	0	4	7				Fire-clay ...	0	1	8			
Grey sandstone ...	0	4	7				Mild grey shale ...	0	4	0			
Blue shale ...	1	0	1				Ironstone girdle ...	0	0	4			
Black shale ...	0	0	8				Strong grey shale ...	0	2	7			
<i>Harvey Seam—</i>							Strong sandstone						
COAL ...	Ft. In.						girdle ...	0	0	7			
Band ...	0	4					Strong grey shale	1	0	5			
Fire-clay ...	1	4					Mild blue shale ...	0	0	6			
COAL ...	0	9					Strong grey shale ...	0	2	1			
			1	0	5		White sandstone ...	0	4	5			
				5	3	5	Brass band ...	0	0	4			
Fire-clay ...	0	3	0				Strong white sandstone ...	0	5	11			
COAL and band ...	0	1	4				Mild blue shale ...	2	2	8			
				0	4	4	Mild blue shale and sandstone girdles	1	0	10			
Fire-clay ...	0	3	3				Ironstone ...	0	0	2			
Blue shale ...	0	2	3				Mild blue shale ...	0	1	2			
White sandstone ...	0	1	4				Ironstone ...	0	0	2			
Blue shale ...	1	0	10				Mild blue shale ...	0	1	10			
White sandstone ...	0	1	8				Mild coal shale ...	0	0	2			
Blue shale ...	0	3	9				<i>Brockwell Seam—</i>						
Sandstone ...	0	3	11				COAL, cannel ...	Ft. In.					
Blue shale ...	0	3	7				nel ...	0	7				
Sandstone ...	1	4	6				COAL ...	4	14				
COAL ...	0	1	5				Band ...	0	04				
				6	2	6	COAL ...	1	24				
Fire-clay ...	0	2	6							0	5	11	
Sandstone ...	0	5	0										9
COAL ...	0	1	0										
				1	2	6							
Fire-clay ...	0	2	8										
Carried forward	0	2	8	37	4	9	Total...				70	3	10

No. 2,558.—COCKFIELD.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 39' 2\frac{1}{4}''$, Long. $1^{\circ} 52' 30''$.*Account of Strata passed through in No. 19 Bore-hole, situated 132 yards West of Pool Tree Farm House, Crake Scar Colliery, 1873.*

Approximate surface-level 890 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder clay ...	1	2	1				Brought forward				15	1	6
				1	2	1	Fire-clay ...	0	0	7			
Sandstone ...	1	4	6				Grey sandstone ...	0	0	8			
COAL, soft ...	0	1	2				Leafy sandstone ...	0	5	11			
Light blue shale ...	0	2	7				Blue shale ...	1	4	10			
Clay and soft blue shale ...	1	4	10				Brown sandstone ...	0	1	2			
Brown sandstone ...	5	1	5				Blue shale ...	0	1	0			
Grey sandstone ...	0	4	7				COAL and shale ...	0	3	5			
Blue shale ...	3	1	10								3	5	7
	Ft.	In.					Blue shale ...	1	5	7			
COAL ...	1	5					Coal shale ...	0	4	3			
Band ...	0	5					Blue shale ...	0	2	6			
COAL ...	0	8					Ironstone girdle ...	0	0	4			
			0	2	6		Blue shale ...	1	2	2			
				13	5	5					4	2	10
Carried forward				15	1	6	Total ...				23	3	11

No. 2,559.—COCKFIELD.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. $54^{\circ} 38' 55''$, Long. $1^{\circ} 52' 20''$.*Account of Strata passed through in No. 20 Bore-hole, situated 341 yards South of Pool Tree Farm House, Crake Scar Colliery, 1893.*

Approximate surface-level 900 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder ...	1	0	9				Brought forward	10	5	4	1	0	9
				1	0	9	Brown sandstone ...	1	0	11			
Sandstone ...	2	5	2				Gullet ...	0	0	3			
Strong white sandstone ...	0	2	2				Brown sandstone ...	4	1	6			
Leafy sandstone ...	0	2	2				Blue shale ...	2	5	6			
Blue shale ...	1	3	0										
Light shale ...	3	0	6				COAL ...	0	6				
Grey sandstone ...	0	3	0				Band ...	0	2				
Coal shale ...	0	0	9				COAL ...	0	3				
Fire-clay ...	0	1	0								0	0	11
Blue shale ...	1	5	7								19	2	5
							Fire-clay ...	0	1	0			
											0	1	0
Carried forward	10	5	4	1	0	9	Total ...				20	4	2

No. 2,560.—COCKFIELD.

TOWNSHIP OF HAMSTERLY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 39' 14", Long. 1° 52' 41".

Account of Strata passed through in No. 21 Bore-hole, situated 462 yards North-west of Pool Tree Farm House, Crake Scar Colliery, 1893.

Approximate surface-level 810 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder clay ...	2	1	6				Brought forward	4	0	6	3	0	6
Sand ...	0	5	0				Ironstone band ...	0	0	4			
				3	0	6	Blue shale ...	5	1	2			
Blue shale, loose ...	1	3	0								9	2	0
Blue shale ...	2	3	6										
Carried forward	4	0	6	3	0	6	Total ...				12	2	6

No. 2,561.—COCKFIELD.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 38' 19", Long. 1° 51' 24½".

Account of Strata passed through in No. 34 Bore-hole, situated 268 yards North of Softley Farm House, Crake Scar Colliery, 1872.

Approximate surface-level 910 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder clay ...	0	5	0				Brought forward	14	3	7	0	5	0
				0	5	0	COAL ...				0	0	8
Sandstone ...	1	1	0								14	4	3
Blue shale ...	2	2	0				Leafy sandstone ...	1	0	11			
Coal shale ...	0	0	8				Blue shale ...	0	2	0			
Fire-clay ...	0	4	4				COAL ...	0	0	6			
Blue shale ...	2	5	5								1	3	5
Grey sandstone ...	5	3	5				Coal shale ...	1	2	0			
Blue shale ...	0	1	9				Blue shale ...	0	0	11			
Leafy sandstone ...	1	0	4				White sandstone ...	0	3	1			
Blue shale ...	0	2	8								2	0	0
Carried forward	14	3	7	0	5	0	Total ...				19	0	8

No. 2,562.—COCKFIELD.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 38' 36", Long. 1° 52' 35".

Account of Strata sunk and bored through in the Pioneer Shaft, Crake Scar Colliery, 1893.

Approximate surface-level 1,090 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward				4	2	0
Clay and sandstone...	3	2	0				Fire-clay ...	2	1	6			
<i>Brockwell Seam—</i>							Sandstone ...	2	0	0			
COAL ...	1	0	0				Grey beds ...	1	3	0			
				4	2	0							
Carried forward				4	2	0	Carried forward	5	4	6	4	2	0

No. 2,562.—COCKFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	4	6	4	2	0
Blue shale ...	...	1	4	4		
COAL ...	...	0	0	6		
				7	3	4
Fire-clay ...	...	0	3	6		
Hard fire-clay ...	...	2	1	0		
Sandstone ...	...	0	3	0		
	Ft.	In.				
COAL ...	0	2				
Ironstone band	0	2				
COAL ...	0	6				
		0	0	10		
				3	2	4
Fire-clay ...	...	0	3	0		
Grey beds ...	...	2	3	9		
Sandstone ...	...	0	2	3		
Blue shale ...	...	1	1	4		
COAL ...	...	0	0	2		
				4	4	6
Hard grey sandstone	1	1	6			
Carried forward	1	1	6	20	0	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	6	20	0	2
Sandstone	2	4	10		
COAL	0	0	11		
				4	1	3
Blue shale	1	2	6		
Sandstone	5	4	6		
<i>Bored further:—</i>						
Blue shale	0	1	10		
Sandstone	2	5	9		
White sandstone	1	5	0		
Blue shale, mixed with hard white sandstone	2	4	6		
Black shale	3	1	0		
Light fire-clay	0	2	0		
Blue shale	2	2	0		
Sandstone	3	2	0		
Blue shale	0	1	8		
Fire-clay	1	1	6		
				25	4	3
Total	49	5	8		

No. 2,563.—COLDRIFE.

TOWNSHIP OF RITTON COLTPARK, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. , Long.

Account of Strata bored through at Coldrife, 1869.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay	0	4	6				Brought forward	18	5	9	3	2	6
Wet sand	1	1	0				COAL ...	...	0	1	4		
Blue clay	1	3	0								19	1	1
					3	2	6	Seggar-clay ...	...	0	1	0		
White freestone	2	0	0				Red freestone	...	1	0	0		
Brown freestone	...	3	0	0				Brown freestone	...	0	3	8		
Red freestone	...	3	0	6				Red freestone	...	1	0	0		
Blue clay	0	2	4				Black metal...	...	0	2	6		
Metal stone	1	1	0					Ft. In.					
Red freestone	...	1	4	10				COAL, coarse	1	6				
Black metal...	...	0	1	6				Black metal						
Red freestone	...	1	1	0				and coal ...	1	1				
Brown freestone	...	0	1	0						0	2	7		
Black freestone	...	0	1	0								3	3	9
Red freestone	...	0	1	9				Grey metal ...	...	1	1	0		
Black metal...	...	1	4	0				White freestone	...	1	1	0		
Grey post	0	3	0				Red freestone	...	0	3	0		
Black metal...	...	0	3	10				Grey metal ...	...	1	3	0		
Red freestone	...	1	1	0				Blue metal, into	...	1	3	2		
Black metal...	...	1	3	0								5	5	2
Carried forward	18	5	9	3	2	6		Total ...	...	32	0	6		

No. 2,564.—COLEPIKE HALL.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 48' 36", Long. 1° 46' 16".

Account of Strata passed through in No. 1 Bore-hole, Colepike Hall. Commenced on April 21st, 1897.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	10	4	1	3	5	5
Yellow clay	0	2	6				Hard white post,						
Stony clay	0	3	6				with partings ...	1	2	9			
				1	1	6	Broken stone ...	0	2	5			
Grey shale	1	0	0				Hard white post ...	0	2	6			
Grey post	1	2	3				Grey shale	0	0	11			
Loamy sand	0	1	8				COAL	0	1	3			
				2	3	11					13	1	11
Grey post	0	2	1				Grey shale, very soft	0	2	0			
Yellow freestone ...	2	4	0				Grey post	0	4	6			
Broken stone	0	4	0				Soft freestone ...	0	2	6			
Yellow freestone,							Grey shale, with						
with water	1	2	6				post girdles ...	2	0	0			
Dark grey shale,							Grey post, with shale						
with post girdles	3	2	4				partings	2	3	9			
Grey post	0	2	8				COAL	0	3	4			
Dark grey shale ...	1	1	9								6	4	1
Grey post	0	2	9										
Carried forward	10	4	1	3	5	5	Total				23	5	5

No. 2,565.—COLEPIKE HALL.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 48' 24", Long. 1° 46' 20".

Account of Strata passed through in No. 2 Bore-hole, Colepike Hall.

Approximate surface-level 650 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	6	3	8	2	2	9
Yellow clay	0	2	0				White post	1	0	8			
Stony clay, with							Soft partings, water						
water at bottom	1	5	3				went away ...	0	0	5			
				2	2	9	White post	0	1	2			
Grey shale	1	3	6				Soft dark shale ...	0	1	6			
Grey post	0	3	3				COAL	0	1	2			
Grey shale	1	0	6								8	2	7
Light grey post ...	1	3	6				Grey post, with shale						
Yellow freestone ...	0	1	9				partings	1	3	6			
Grey post	0	1	6				Grey shale, with post						
Yellow freestone ...	0	2	4				girdles	3	5	7			
Hard white post ...	0	3	3				COAL	0	3	4			
Broken stone	0	1	0								6	0	5
White post	0	0	5				Grey shale, into ...	0	2	0			
Loamy sand	0	0	8								0	2	0
Carried forward	6	3	8	2	2	9	Total				17	1	9

No. 2,566.—COLEPIKE HALL.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 48' 30", Long. 1° 46' 25".

Account of Strata passed through in No. 3 Bore-hole, Colepike Hall, near the South-west corner of House.

Approximate surface-level 695 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	0	4	0				Brought forward	3	0	5	1	4	0
Clay ...	1	0	0				Soft freestone ...	0	1	10			
				1	4	0	COAL ...	0	1	9			
Grey post ...	0	2	0								3	4	0
Soft freestone ...	2	3	0				Grey shale, into ...	2	4	0			
Broken stone ...	0	1	5								2	4	0
Carried forward	3	0	5	1	4	0	Total ...				8	0	0

No. 2,567.—COLEPIKE HALL.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 48' 31", Long. 1° 46' 27".

Account of Strata sunk through on the West Side of Colepike Hall, February, 1898.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	0	3	0				Brought forward	1	4	4	1	0	0
Sand ...	0	1	0				Soft grey post ...	0	0	3			
Loamy sand...	0	2	0				Grey sandstone ...	1	2	3			
				1	0	0	Soft grey post ...	0	0	5			
Grey sandstone ...	0	5	0				Grey sandstone ...	0	1	9			
Soft grey post ...	0	0	6				Soft grey post ...	0	0	3			
Grey sandstone ...	0	1	0				Grey sandstone ...	0	5	3			
Soft grey post ...	0	0	6				COAL ...	0	1	6			
Grey sandstone ...	0	3	4								4	4	0
Carried forward	1	4	4	1	0	0	Total ...				5	4	0

No. 2,568.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 17", Long. 2° 5' 26".

Account of Strata passed through in Trial Bore-hole A, Colt Crag Reservoir.

Approximate surface-level 662·8 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6			
Yellow clay ...	0	4	0			
Boulder clay, with limestone and freestone boulders ...	1	2	6			
				2	2	0
COAL ...	0	0	6			
				0	0	6
Freestone shale ...	0	2	0			
				0	2	0
Total ...				2	4	6

No. 2,569.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. $55^{\circ} 6' 25''$, Long. $2^{\circ} 5' 29''$.*Account of Strata passed through in Trial Bore-hole B1, Colt Crag Reservoir.*

Approximate surface-level 662·8 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	1	0	0			
Boulder clay	0	3	0			
Freestone, with water	0	3	6			
Freestone shale, into	1	0	0			
				3	0	6
Total				3	0	6

No. 2,570.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. $55^{\circ} 6' 22''$, Long. $2^{\circ} 5' 24''$.*Account of Strata passed through in Trial Bore-hole B2, Colt Crag Reservoir.*

Approximate surface-level 656·6 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	1	1	0	1	1	0
Yellow sandy clay... ..	0	3	0				Broken freestone	0	1	0			
Earth and stones, with water	0	3	0	1	1	0	Broken freestone	0	4	0			
Shale	0	2	6				Sandy material	0	1	0			
Fire-clay	0	4	6				Broken freestone	0	3	0	2	4	0
Carried forward	1	1	0	1	1	0	Total				3	5	0

No. 2,571.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. $55^{\circ} 5' 59''$, Long. $2^{\circ} 6' 37''$.*Account of Strata passed through in Trial Bore-hole E1, Colt Crag Reservoir.*

Approximate surface-level 662·8 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			
Yellow sandy clay	1	0	6			
Boulder clay, into	3	0	6			
				4	2	0
Total				4	2	0

No. 2,572.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 18", Long. 2° 5' 29".

*Account of Strata passed through in Bore-hole A, Colt Crag Reservoir,
June, 1902.*

Approximate surface-level 662·8 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	3	4	0	1	0	6
Clay	0	5	0				Close freestone ...	0	2	0			
				1	0	6	Fire-clay	0	3	0			
Broken freestone ...	1	3	6				Shale	0	3	6			
Fire-clay	2	0	6								5	0	6
Carried forward	3	4	0	1	0	6	Total				6	1	0

No. 2,573.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 26", Long. 2° 5' 30".

Account of Strata passed through in Bore-hole A1, Colt Crag Reservoir.

Approximate surface-level 662·8 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	3	4	9			
Boulder clay	2	5	0				Sandy clay	0	1	0			
Hard freestone	0	2	0								3	5	9
Sandy clay	0	2	0				Shale	0	2	6			
Limestone boulders	0	0	9								0	2	6
Carried forward	3	4	9				Total				4	2	3

No. 2,574.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 6", Long. 2° 5' 43".

*Account of Strata passed through in Bore-hole C, Colt Crag Reservoir,
June, 1902.*

Approximate surface-level 662 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	2	5	6	1	0	6
Clay	0	5	0				Shale	0	2	3			
				1	0	6	Limestone	0	1	0			
Broken freestone ...	0	2	0				Broken freestone ...	0	2	0			
Fire-clay	1	0	0				Shale	1	0	6			
Sandy material	0	4	0								4	5	3
Fire-clay	0	5	6				Total				5	5	9
Carried forward	2	5	6	1	0	6							

No. 2,575.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 3", Long. 2° 5' 57".

*Account of Strata passed through in Bore-hole D, Colt Crag Reservoir,
June, 1902.*

Approximate surface-level 662·8 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6			
Clay	0	4	6			
				1	0	0
Broken freestone	1	1	0			
Fire-clay	0	5	0			
Blue clay, with boulders and water	3	2	0			
				5	2	0
Total				6	2	0

No. 2,576.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 0", Long. 2° 6' 24".

*Account of Strata passed through in Bore-hole E, Colt Crag Reservoir,
June, 1902.*

Approximate surface-level 662·8 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	3	0	0	0	4	0
Clay	0	2	6				Hard freestone ...	0	2	0			
				0	4	0	Fire-clay	1	0	0			
Broken freestone, with water	1	2	0				Shale	0	3	6			
Boulder clay... ..	1	4	0								4	5	6
Carried forward	3	0	0	0	4	0	Total				5	3	6

No. 2,577.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 4", Long. 2° 5' 41".

Account of Strata passed through in Bore-hole F, Colt Crag Reservoir.

Approximate surface-level 649·4 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	1	0	0			
Boulder clay	1	4	0			
				2	4	0
Broken freestone	1	3	0			
Shale, into..	1	2	0			
				2	5	0
Total				5	3	0

No. 2,578.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 3", Long. 2° 5' 43".

Account of Strata passed through in Bore-hole G, Colt Crag Reservoir.

Approximate surface-level 649·5 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	1	0	0			Brought forward				4	0	0
Boulder clay	1	5	0			Broken freestone ...	1	1	0			
Hard stone	0	1	0			Shale ... ..	...	1	4	0		
Boulder clay...	...	1	0	0			Fire-clay ...	...	0	1	0		
				4	0	0					3	0	0
Carried forward				4	0	0	Total ...	...	7	0	0		

No. 2,579.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 13", Long. 2° 5' 19".

Account of Strata passed through in No. 7 Bore-hole, Colt Crag Reservoir, April, 1902.

Approximate surface-level 665 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Broken freestone ...	2	5	0				Brought forward	6	5	0			
Close freestone ...	2	4	0				Shale ... ..	...	1	2	0		
Parting	0	0	6				Sandy material ..	...	0	2	0		
Close freestone ...	0	5	6								8	3	0
Sandy material ...	0	2	0										
Carried forward	6	5	0				Total ...	...	8	3	0		

NOTE: Water stood in hole from top of close freestone to sandy material.
It was then heard escaping.

No. 2,580.—COLT CRAG.

TOWNSHIP OF GREAT SWINBURN AND COLWELL, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 6' 5", Long. 2° 5' 28".

Account of Strata passed through in No. 13 Bore-hole, Colt Crag Reservoir.

Approximate surface-level 664·7 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stones	5	0	0			
				5	0	0
Very hard freestone ...	1	2	0			
Shale	2	0	0			
				3	2	0
Total	8	2	0			

No. 2,581.—CONISCLIFFE.

TOWNSHIP OF LOW CONISCLIFFE (DETACHED), DURHAM.

Sheet 54 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Thornton Hall, High Coniscliffe.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	3	0				Brought forward	37	5	6	23	1	1
Clay	0	3	0				Limestone	0	0	4			
Sand	0	5	0				Grey shale	0	2	0			
Loam	1	5	6				Dark grey sandstone	0	0	8			
Sand	1	0	0				Grey shale	1	2	0			
				4	4	6	Iron band	0	0	4			
Marl	0	4	0				Grey shale	0	2	3			
Magnesian limestone	17	4	7				Iron band	0	0	3			
				18	2	7	Grey shale	0	4	0			
Brown shale... ..	0	4	0				Sandstone, with shale						
White sandstone ...	0	3	5				bands	2	4	2			
Red and white shale	0	3	6				Black shale	0	0	3			
Iron band	0	0	4				COAL	0	0	10			
Red and white shale	2	2	2								43	4	7
Red sandstone ...	5	1	3				Grey sandstone ...	0	1	10			
Grey shale	4	5	7				Grey shale	0	0	2			
Soft black shale ...	2	4	9				Grey sandstone ...	0	3	6			
Black shale	0	2	3				Sandstone and shale	0	1	1			
Iron band	0	0	1				Grey sandstone ...	3	0	0			
Black shale	0	2	4				Strong grey shale ...	1	2	7			
Iron band	0	0	1				Dark grey shale ...	3	0	5			
Black shale	0	3	4				Grey shale	1	2	6			
Iron band	0	0	1				Grey sandstone ...	0	1	0			
Dark grey shale ...	1	1	5				Grey shale	1	0	0			
Fine white sandstone	1	4	6				Dark grey sandstone	0	0	8			
Grey sandstone ...	0	2	2				Black shale	1	4	0			
Grey shale, with							Dark grey limestone	1	0	5			
bands of sand-							Strong grey limestone	1	5	2			
stone	1	4	6				Grey shale	0	0	5			
Strong grey sand-							Iron band	0	0	5			
stone	0	0	6				Grey shale	1	0	11			
Grey shale, with							Black shale	0	0	9			
bands of sandstone	8	1	9				Strong grey limestone	1	0	0			
Grey shale	5	3	2				Limestone	2	3	3			
Limestone	0	0	4								20	5	1
Grey shale	0	2	0										
Carried forward	37	5	6	23	1	1	Total	87	4	9			

No. 2,582.—COPY CROOKS.

TOWNSHIP OF SAINT ANDREWS, BISHOP AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 52", Long. 1° 40' 27".

Account of Strata sunk through in the No. 1 Copy Crooks Pit, West Durham Wallsend Colliery. Finished May, 1895.

Approximate surface-level 380 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	0	5	6			
Clay	0	4	6				Sand	0	0	10			
Carried forward	0	5	6				Carried forward	1	0	4			

No. 2,583.—COQUET ISLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	0	2	2	10	0	5	Brought forward	0	0	6	37	4	2	
Sandstone	0	3	5			Grey metal and sandstone ...	...	0	4	0			
Grey metal	0	1	9			Sandstone ...	...	0	4	2			
Sandstone	0	2	0			Dark blue metal ...	...	0	0	3			
Fire-clay and blue metal	0	0	9			Grey metal and sandstone ...	...	0	3	4			
Hard sandstone	0	1	11			Sandstone ...	...	0	4	10			
Hard limy grey metal	...	0	1	1			Hard limy grey metal	...	0	0	10			
Fire-clay and blue metal	0	4	8			Extra hard limestone ...	...	0	2	3			
Blue metal	0	0	2			Sandstone ...	...	0	2	3			
COAL	0	1	2			Grey metal ...	...	0	5	6			
					3	1	1	Fire-clay and blue metal	0	1	0		
Fire-clay	0	1	10			COAL ...	...	0	0	5			
COAL	0	0	3								4	5	4
					0	2	1	Blue metal	0	0	6		
Fire-clay	0	1	2			Grey and blue metal	...	0	2	6			
Grey metal	1	5	4			COAL ...	...	0	1	1			
Grey metal and sandstone	0	3	0								0	4	1
COAL	0	0	3										
					2	3	9	Soft fire-clay	0	0	3		
Fire-clay and blue metal	0	2	3			Grey and blue metal	...	0	5	7			
Grey metal and sandstone	0	4	4			Fire-clay and blue metal ...	...	0	4	0			
Grey metal and fire-clay	0	1	8			Grey metal and sandstone ...	...	0	4	7			
Sandstone	1	0	5			COAL ...	...	0	1	1			
Grey metal and sandstone	0	3	6								2	3	6
Fire-clay and blue metal	0	2	8			Fire-clay ...	...	0	2	1			
Grey metal	1	1	3			Grey metal ...	...	0	5	6			
Coaly blue metal	0	0	9			Sandstone ...	...	0	4	3			
Grey metal and fire-clay	0	4	8			Fire-clay and blue metal ...	...	0	4	9			
Grey metal and sandstone	0	2	8			Grey and blue metal	...	0	4	0			
Grey and blue metal	...	0	2	7			Fire-clay and blue metal ...	...	0	2	6		
COAL	0	2	0			Grey metal and fire-clay ...	...	0	5	6			
					6	4	9	Grey metal	0	2	9		
Fire-clay	0	3	3			Whin ash ...	...	1	2	3			
Grey metal	1	2	0			Grey metal and sandstone ...	...	0	5	6			
Grey metal and sandstone	0	4	3			Sandstone ...	...	5	5	4			
Sandstone	8	2	9			Grey metal and fire-clay ...	...	0	2	4			
Grey metal and sandstone	2	0	2			Sandstone ...	...	0	1	8			
COAL	0	2	4			Fire-clay ...	...	0	1	10			
					13	2	9	Fire-clay and grey metal	1	0	9		
Grey metal and fire-clay	0	1	2			Grey metal and sandstone ...	...	0	3	9			
Grey metal	0	2	4			Sandstone ...	...	1	5	7			
Grey metal and fire-clay	0	3	8			Extra hard limestone ...	...	0	1	5			
COAL	0	0	2			Sandstone ...	...	2	1	7			
					1	1	4	Grey metal and sandstone	0	2	9		
Coaly blue metal	0	0	6			COAL ...	...	0	0	10			
												21	0	11
Carried forward	0	0	6	37	4	2	Carried forward					67	0	

No. 2,583.—COQUET ISLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				67	0	0	Brought forward	0	0	8	69	5	9
Fire-clay ...	0	0	3				Grey metal and fire-clay ...	0	2	10			
Grey metal ...	0	1	9				Grey and blue metal	0	4	8			
Fire-clay and blue metal ...	0	1	3				Grey metal and sandstone ...	0	3	0			
Grey metal and sandstone ...	1	3	3				Grey metal and fire-clay ...	0	1	6			
Grey metal and fire-clay ...	0	4	8				COAL ...	0	1	5			
Dark blue metal ...	0	0	4								2	2	1
COAL ...	0	0	3				Soft fire-clay ...	0	0	7			
				2	5	9	Sandstone ...	2	4	1			
Dark blue metal ...	0	0	8								2	4	8
Carried forward	0	0	8	69	5	9	Total...				75	0	6

No. 2,584.—CORN FORTH.

TOWNSHIP OF CORNFORTH, DURHAM.

Sheet 35 of Ordnance Map. About Lat. $54^{\circ} 42' 11''$, Long. $1^{\circ} 29' 35''$.

Account of Strata passed through in the 10th Bore-hole in the Cornforth Estate, South of Simonside Farm House, June, 1843.—Continuation of No. 566.

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Bored formerly ...				78	4	6	Brought forward				96	3	2
Grey metal stone ...	1	2	2				Grey metal stone, with post girdles	4	0	0			
Grey post, mixed with whin ...	0	4	5				Dark grey metal ...	0	3	2			
Grey metal stone, with post girdles	7	4	5				Black metal ...	0	1	4			
White post, mixed with whin ...	0	0	7				Ft. In.						
Grey metal stone, with post girdles	3	3	9				COAL , coarse and rather slaty ...	0	3				
Strong white post, mixed with whin	3	1	0				COAL , good	1	6				
Grey metal stone, with post girdles...	0	1	0				Brownish grey metal ...	0	3				
Strong white post...	0	0	6				COAL ...	0	8				
											0	2	8
COAL ...											5	1	2
Dark metal ...							Grey metal ...	0	4	3			
COAL ...											0	4	3
				0	4	10							
				17	4	8							
Carried forward				96	3	2	Total...				102	2	7

No. 2,585.—CORN SAY.

TOWNSHIP OF CORNSAY, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 47' 2", Long. 1° 44' 56".

Account of Strata bored through in the Old Furnace Shaft, Cornsay Colliery, from the Main Coal or Brockwell Seam, May, 1878.

Approximate surface-level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Seggar-clay ...	0	3	0				Brought forward				8	4	9
Brown post ...	0	4	0				Seggar-clay ...	0	3	8			
Grey metal, with post							COAL ...	0	0	6			
girdles ...	1	0	6								0	4	2
COAL ...	0	0	2				Seggar-clay ...	0	0	6			
				2	1	8	White post ...	4	4	7			
Grey post ...	0	4	8				Dark grey metal ...	0	1	2			
Brown post, with							Grey post ...	2	1	0			
partings ...	1	1	9				Grey posty metal ...	1	1	8			
Grey posty metal,							COAL ...	0	0	2			
with iron ...	2	4	4								8	3	1
Black plate metal	0	4	6				Seggar-clay ...	0	2	0			
Light grey metal							Grey posty metal ...	0	4	0			
and clay ...	0	4	6								1	0	0
COAL ...	0	1	4										
				6	3	1							
Carried forward				8	4	9	Total ...				19	0	0

No. 2,586.—CORN SAY.

TOWNSHIP OF CORNSAY, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Victoria Pit, Cornsay Fell, 1853.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	1	5	8	7	0	7
Blue clay, with							Blue metal, with iron-						
tumbling stones...	2	2	0				stone girdles ...	0	3	2			
Yellow loamy clay...	0	3	0				<i>Five-Quarter Seam—</i>						
				2	5	6	COAL ...	0	3	4			
Brown metal ...	0	2	0								3	0	2
White post ...	0	3	0				White seggar-clay,						
Brown metal ...	0	1	6				with ironstone balls	0	2	0			
Brown post ...	0	0	6				Dark seggar-clay,						
Blue metal ...	0	2	0				with ironstone balls	0	3	0			
Strong brown post							Grey metal, with						
girdle ...	0	2	0				ironstone balls ...	0	2	0			
Dark shivery post ...	2	0	1				Strong white post...	0	3	6			
<i>Ballarat Seam—</i>							Very strong white						
COAL , with water	0	2	0				post ...	0	1	8			
				4	1	1	Strong brown post...	0	3	8			
White seggar-clay...	0	2	0				Soft brown post, with						
Dark grey post ...	0	1	8				girdles ...	1	0	3			
Strong white post,							Strong grey post ...	0	3	9			
with water ...	1	2	0				White and brown						
							post, with girdles	3	1	8			
Carried forward	1	5	8	7	0	7	Carried forward	7	3	6	10	0	9

No. 2,586.—CORNSAY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	3	6	10	0	9	Brought forward	2	5	0	17	5	11
COAL , splint	0	6					<i>Top Coal Seam—</i>						
Black ironstone band	0	6					COAL ...	0	1	0			
COAL , splint	0	8									3	0	0
			0	1	8		Grey metal, with						
						7	post girdles ...	3	3	9			
Dark brown post ...	1	5	11			5	Blue metal ...	0	2	10			
Dark shivery post ...	0	1	3			2	<i>Main Coal Seam—</i>						
White post girdles...	0	1	5				COAL ...	0	3	8			
Black metal...	0	0	11								4	4	3
White seggar-clay, with ironstone balls	0	1	6				Fire-clay ...	0	0	4			
							Strong white post...	2	5	0			
											2	5	4
Carried forward	2	5	0	17	5	11	Total...				28	3	6

No. 2,587.—CORSENSIDE.

TOWNSHIP OF BROOMHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 8' 10", Long. 2° 10' 0".

Account of Strata sunk through on Steel, near to Ridsdale Ironworks.

Approximate surface-level 690 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Bituminous blue limestone</i> ...	1	3	0				Brought forward	0	2	0	12	3	4
Sill and plate ...	0	5	0				COAL ...	0	1	0			
COAL ...	0	3	0								0	3	0
				2	5	0	Sandstone ...	1	2	6			
Fourlaws hazel dyke	1	3	6				COAL ...	0	1	7			
COAL ...	0	3	0								1	4	1
				2	0	6	Platy sandstone sill	1	4	6			
Sandstone plate ...	1	3	0				COAL ...	0	1	5			
COAL ...	0	3	0								1	5	11
				2	0	0	Platy sandstone ...	1	4	0			
Plate ...	1	0	6				COAL ...	0	3	0			
Hazel ...	0	5	0								2	1	0
COAL , the first Coal-seam in Steel Burn (Swine Gill) ...	0	1	0				Plate ...	0	3	0			
				2	0	6	COAL ...	0	1	0			
Delves ...	0	5	0								0	4	0
<i>Cow Lairs Seam—</i>							Plate ...	0	3	6			
COAL ...	0	3	0				Grey hazel dyke ...	2	0	0			
				1	2	0	Blue limestone ...	1	4	6			
Slaty sandstone ...	0	3	8				Strong sandstone ...	4	2	0			
Blue limestone ...	0	2	0				Bituminous limestone	2	3	6			
Peat (?) ...	1	0	0				Ironstone ...	0	1	0			
COAL ...	0	1	8				Clay ironstone ...	5	2	0			
				2	1	4	White hazel sandstone ...	6	4	6			
Sill ...	0	2	0				COAL ...	0	2	6			
											23	5	6
Carried forward	0	2	0	12	3	4	Plate ...	0	2	0			
							COAL ...	0	1	6			
											0	3	6
							Carried forward				44	0	4

No. 2,587.—CORSENSIDE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				44	0	4	Brought forward	0	4	0	45	3	10
Grey hazel sand- stone	0	3	0				Shale	0	2	0			
Limestone	0	3	0				COAL	0	0	9			
Ironstone and shells	0	2	0								1	0	9
COAL	0	1	6				Plate	0	2	0			
				1	3	6	Yellow sandstone ...	5	5	6			
Platy hazel sand- stone	0	4	0				Sill	0	2	0			
							COAL				6	3	6
Carried forward	0	4	0	45	3	10	Total...				53	2	1

No. 2,588.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 8' 57", Long. 2° 7' 29".

Account of Strata passed through in a Boring put down between Aid Foul and Aid Crag.

Approximate surface-level 1,000 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss	0	4	0				Brought forward	9	5	6	1	4	0
Clay	1	0	0				Iron band	0	0	6			
				1	4	0	Plate	11	0	3			
Freestone	0	5	0				Girdle bed	0	0	4			
Plate	1	1	6				Plate	2	0	0			
Freestone	0	3	9				Freestone girdle ...	0	0	4			
Plate	5	0	3				Plate	0	1	0			
Freestone	0	1	0				COAL	0	2	4			
Plate	2	0	0								23	4	3
Carried forward	9	5	6	1	4	0	Total				25	2	3

No. 2,589.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 38", Long. 2° 9' 31".

Account of Strata sunk through at Brick Flat, Chesterhope.

Approximate surface-level 590 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Plate	2	0	0			
Limestone	1	5	0			
White freestone ...	0	4	6			
Seggar-clay	0	3	8			
				5	1	2
Total				5	1	2

No. 2,590.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 16", Long. 2° 7' 35".

Account of Strata passed through in No. 1 Bore-hole on Broadgate Fell.

Approximate surface-level 950 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	1	0	0				Brought forward	4	3	6	1	0	0
				1	0	0	Plate	1	1	10			
Freestone	1	2	0				Freestone	0	1	2			
Grey beds	1	3	6				Grey beds	0	3	5			
Freestone	0	0	6				COAL	0	2	2			
Plate	0	1	0								7	0	1
Freestone	1	2	6										
Carried forward	4	3	6	1	0	0	Total				8	0	1

No. 2,591.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 11", Long. 2° 7' 30".

Account of Strata passed through in No. 2 Bore-hole on Broadgate Fell.

Approximate surface-level 950 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss	1	2	0				Brought forward	6	4	1	2	0	0
Clay	0	4	0				Very hard freestone	0	3	4			
				2	0	0	Bastard freestone	0	1	6			
Plate	0	2	2				Very white freestone	0	3	0			
Black freestone	0	1	11				Brown freestone	0	4	0			
White freestone	0	4	1				Hard freestone	0	3	9			
Grey beds	0	1	10				Grey beds	0	4	0			
Plate	0	0	2				Freestone	0	0	6			
Freestone	0	3	0				Plate	0	1	0			
Grey beds	0	0	6				Freestone girdle	0	0	2			
Freestone	0	1	3				Plate girdle	0	0	2			
Grey beds	1	5	10				Freestone girdle	0	0	2			
Plate	0	1	0				Grey beds	0	1	4			
Ironstone	0	0	1				Plate	0	3	6			
Plate	1	1	11				Grey beds	1	2	4			
Ironstone	0	0	9				Freestone	0	1	10			
Hard freestone	0	0	11				Grey beds	0	3	0			
Shivery freestone	0	1	6				COAL	0	2	4			
Plate	0	1	2								13	4	0
Carried forward	6	4	1	2	0	0	Total				15	4	0

No. 2,592.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 1", Long. 2° 7' 32".

Account of Strata sunk through in the Engine Pit, Ridsdale Colliery.
Approximate surface-level 970 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss	0	2	0							9	5	8
Gravel	0	3	6									
				0	5	6							
White sandstone...	...	0	2	0									
Shattered freestone	...	0	1	6									
Freestone	1	2	3									
Grey beds	0	3	0									
Fire-clay	0	3	0									
Plate	0	5	0									
Ironstone band	...	0	0	2									
Plate	0	5	0									
COAL	0	0	8									
				4	4	7							
Freestone	1	3	7									
Grey beds	0	0	7									
Freestone	0	1	8									
Grey beds	0	3	2									
Plate	0	3	6									
Ironstone band	...	0	0	4									
Plate	0	0	3									
Limestone	0	0	6									
Fire-clay	0	2	4									
COAL	0	0	3									
				3	4	2							
Fire-clay	0	3	3									
COAL	0	0	2									
				0	3	5							
Carried forward				9	5	8							
							Brought forward				9	5	8
							Plate, with iron						
							nodules ...	...	1	3	2		
							Fire-clay ...	...	0	3	11		
							White freestone	...	0	3	1		
							Grey beds ...	...	0	1	0		
							White freestone	...	2	3	6		
							Grey beds ...	...	1	0	0		
							COAL ...	...	0	0	1		
											6	2	9
							Freestone ...	...	0	3	1		
							Grey beds ...	...	0	2	6		
							Freestone ...	...	0	4	6		
							Grey beds ...	...	0	1	0		
							Freestone ...	...	0	3	6		
							Grey beds ...	...	0	3	0		
							Thirty Inches Seam—						
							COAL ...	Ft. In.	2	3			
							Freestone ...		1	0			
							COAL ...		0	8			
											0	3	11
											3	3	6
							Fire-clay ...	...	0	3	0		
							Freestone ...	...	0	3	4		
											1	0	4
							Total ...				21	0	3

No. 2,593.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 0", Long. 2° 7' 50".

Account of Strata sunk through in the Foaly (Folly) Coal Pit, Ridsdale.
Approximate surface-level 1,005 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	1	0	0							4	3	6
				1	0	0					1	1	10
Freestone	1	2	0							0	1	2
Grey beds	1	3	6							0	3	5
Freestone	0	0	6							0	2	2
Plate	0	1	0									
Freestone	1	2	6							7	0	1
Carried forward				4	3	6					8	0	1
							Brought forward				4	3	6
							Plate ...	...	1	1	10		
							Freestone ...	...	0	1	2		
							Grey beds ...	...	0	3	5		
							COAL ...	...	0	2	2		
											7	0	1
							Total ...				8	0	1

NOTE: The Old Pit (No. 2,596) sunk by the first Ridsdale Company to the west of the Ironworks was sunk 68 fathoms and then bored further 30 fathoms. A seam of coal, 16 inches thick, was found about 10 fathoms below the surface. This pit is situated on Slassor's Fell, beside the footpath.

No. 2,594.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. $55^{\circ} 8' 55''$, Long. $2^{\circ} 7' 4''$.

Account of Strata sunk through at the New Winning, 500 yards South-east of the present working Coal Pit, at Aid Crag on Fourlaws Fell, July, 1847.

Approximate surface-level 990 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss	0	1	0				Brought forward	4	5	0	2	2	6
Sand and gravel ...	2	1	6				Plate	0	3	0			
				2	2	6	Fire-clay	0	4	10			
Plate	0	2	0				COAL	0	0	2			
<i>Little Limestone</i> ...	1	2	0								6	1	0
Plate, with nodules							Fire-clay	1	2	0			
of ironstone ...	3	0	9				Freestone	3	3	0			
Iron band	0	0	3								4	5	0
Carried forward	4	5	0	2	2	6	Total				13	2	6

No. 2,595.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. $55^{\circ} 9' 14''$, Long. $2^{\circ} 8' 7''$.

Account of Strata sunk through in the Little Black Band Pit.

Approximate surface-level 920 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	5	0				Brought forward	2	1	0	0	5	0
				0	5	0	Black band	0	0	11			
<i>Limestone</i>	0	2	0				COAL	0	0	2			
Grey beds	0	4	4								2	2	1
Plate	0	6	8				Total				3	1	1
Carried forward	2	1	0	0	5	0							

No. 2,596.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. $55^{\circ} 9' 10''$, Long. $2^{\circ} 8' 56''$.

Account of Strata sunk through in the Seventy Fathoms Pit, Ridsdale Ironworks, about 20 chains West of Armstrong's Gun Inn at Ridsdale, on Footpath leading to the Steel.

Approximate surface-level 900 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	4	0	0				Brought forward	1	3	0	4	0	0
				4	0	0	<i>Upper Hall Seam—</i>						
Grey beds	0	4	0				COAL	0	1	0			
Fire-clay	0	3	0								1	4	0
Plate, with ironstone	0	2	0				Ironstone	0	0	9			
Carried forward	1	3	0	4	0	0	Carried forward	0	0	9	5	4	0

No. 2,596.—CORSENSIDE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	0	9	5	4	0	Brought forward	12	2	3	25	5	1
Freestone ...	0	5	0				Plate, with ironstone						
Grey beds ...	2	2	0				balls ...	0	5	8			
Ironstone ...	0	0	7				Hazle ...	1	0	0			
Plate ...	0	1	3				Grey beds ...	0	2	0			
Ironstone ...	0	1	8				COAL ...	0	0	3			
Plate ...	1	5	0								14	4	2
<i>Furnace Seam—</i>							Plate ...	0	1	2			
COAL ...	0	1	4				COAL (<i>No. 42 in</i>						
				5	5	7	<i>Bellingham Boring</i>)	0	1	2			
<i>Limestone</i> ...	0	2	0								0	2	4
Plate and coal ...	0	0	6				Plate ...	0	4	0			
				0	2	6	COAL ...	0	0	4			
											0	4	4
Freestone ...	0	1	8				Fire-clay ...	0	1	10			
Plate ...	0	3	8				Sandstone ...	0	2	0			
Fire-clay, with balls	1	1	0				Fire-clay ...	1	0	0			
<i>Limestone</i> ...	0	4	6				Hazle ...	0	2	8			
Grey beds ...	0	2	0				Fire-clay ...	0	3	0			
Ironstone ...	0	0	4				<i>White limestone</i>	0	2	0			
Grey beds ...	0	4	2				Plate ...	0	1	0			
Freestone ...	1	3	6				COAL ...	0	1	0			
Grey beds ...	0	3	0								3	1	6
Hard plate ...	0	1	10				Fire-clay ...	0	2	0			
Grey beds ...	0	4	4				Sandstone ...	0	4	0			
Freestone ...	0	5	0				Fire-clay ...	1	3	0			
Grey beds ...	0	0	4				<i>Black limestone</i>	0	2	0			
COAL ...	0	0	4				COAL ...	0	0	9			
				7	5	8					2	5	9
Freestone ...	2	1	6				Fire-clay ...	0	5	10			
COAL ...	0	0	5				<i>Limestone</i> ...	0	0	7			
				2	1	11	Plate ...	1	1	0			
Freestone ...	1	0	0				Hazle ...	0	1	0			
Grey beds ...	1	0	0				COAL ...	0	0	4			
Ironstone ...	0	0	10								2	2	9
Grey beds ...	1	0	0				Hazle ...	0	3	6			
Freestone ...	0	2	0				Plate ...	1	1	6			
COAL ...	0	0	7				Freestone ...	12	1	0			
				3	3	5	Plate ...	0	0	7			
Freestone ...	4	0	0				Freestone ...	0	1	8			
Grey beds ...	0	5	0				Plate ...	0	1	0			
Plate, with ironstone							Hazle ...	0	0	8			
balls ...	2	4	0				Hard plate ...	0	4	6			
<i>Limestone</i> ...	0	5	9				<i>Black limestone</i>	0	1	5			
Plate ...	0	1	8				Plate ...	1	0	5			
Hazle ...	0	1	0				Hazle ...	0	2	3			
Plate ...	0	1	0				Plate ...	0	5	0			
Hazle ...	0	3	6								17	5	6
Grey beds ...	1	2	0								68	1	5
Freestone ...	0	1	0										
Plate ...	0	4	0										
Ironstone ...	0	0	8										
Fire-clay ...	0	1	2										
Hazle ...	0	1	6										
							<i>Bored further, but</i>						
							<i>found no coal</i> ...				30	0	0
Carried forward	12	2	3	25	5	1	Total ...				98	1	5

No. 2,597.—CORSENSIDE.

TOWNSHIP OF CHESTERHOPE, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 1", Long. 2° 9' 32".

Account of Strata sunk through in No. 5 Ironstone Pit on Woods Fell.

Approximate surface-level 940 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss	0	0	9				Brought forward	8	5	9	0	0	9
				0	0	9	Limestone ...	2	5	0			
Shivery freestone ...	1	5	3				Freestone ...	1	5	6			
Grey beds ...	0	4	0				Plate ...	5	2	0			
Plate ...	6	2	6								19	0	3
Carried forward	8	5	9	0	0	9	Total ...				19	1	0

No. 2,598.—CORSENSIDE.

TOWNSHIP OF LISLEBURN, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 35", Long. 2° 7' 37".

Account of Strata passed through in No. 1 Bore-hole put down on Mr. Dodd's Fell, Stiddle Hill Colliery, August, 1885.

Approximate surface-level 860 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	5	6				Brought forward	0	3	3	0	5	6
				0	5	6	Blue metal ...	1	3	11			
Freestone ...	0	1	0				Whin ...				2	1	2
Blue metal ...	0	1	0										
Freestone ...	0	1	3										
Carried forward	0	3	3	0	5	6	Total ...				3	0	8

No. 2,599.—CORSENSIDE.

TOWNSHIP OF LISLEBURN, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 30", Long. 2° 7' 32".

Account of Strata passed through in No. 2 Bore-hole put down on Mr. Dodd's Fell, Stiddle Hill Colliery, 200 yards South of No. 1 Bore-hole, August, 1885.

Approximate surface-level 900 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	5	10				Brought forward				3	0	6
				0	5	10	Blue metal and grey						
Soft freestone ...	2	0	6				beds ...	1	1	6			
COAL ...	0	0	2				Freestone ...	1	1	0			
				2	0	8	Grey beds ...	1	3	0			
											3	5	6
Carried forward				3	0	6	Total ...				7	0	0

No. 2,600.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. $55^{\circ} 9' 30''$, Long. $2^{\circ} 7' 34''$.*Account of Strata sunk through in a Pit on Mr. Dodd's Fell, Heppleheugh, Stiddle Hill Colliery, December, 1885.*

Approximate surface-level 900 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	2	0				Brought forward	1	3	7	2	0	2
				0	2	0	Very hard white						
Hard plate and grey							freestone ...	2	0	3			
beds ...	1	3	1				Blue metal ...	0	0	10			
Freestone girdle ...	0	0	8										
Soft white clay ...	0	0	3										
<i>Little Seam—</i>													
COAL ...	0	0	2										
				1	4	2							
Blue metal ...	0	2	6								4	1	10
Grey beds ...	1	1	1										
Carried forward	1	3	7	2	0	2	Total ...				6	2	0

No. 2,601.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. $55^{\circ} 9' 26''$, Long. $2^{\circ} 6' 41''$.*Account of Strata passed through in a Bore-hole put down at Heppleheugh, in the Freestone Quarry on the East Side of the Road, October, 1885.*

Approximate surface-level 900 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Freestone ...	0	2	0			
Grey beds ...	3	2	0			
Plate ...	0	3	0			
Grey beds ...	2	5	0			
				7	0	0
Total ...				7	0	0

No. 2,602.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. $55^{\circ} 9' 22''$, Long. $2^{\circ} 6' 52''$.*Account of Strata bored through at Heppleheugh.*

Approximate surface-level 995 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	0	5	0			
				0	5	0
Plate ...	5	0	0			
				5	0	0
Limestone ...						
Total ...				5	5	0

No. 2,603.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 61 of Ordnance Map. Lat. 55° 9' 53", Long. 2° 8' 19".

*Account of Strata passed through in No. 1 Bore-hole, High Shaw Fell,
180 yards South of Shepherd's House, September, 1883.*

Approximate surface-level 720 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	2	0	0			
				2	0	0
Total				2	0	0

Boring discontinued owing to strata being in a troubled state.

No. 2,604.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 61 of Ordnance Map. Lat. 55° 9' 51", Long. 2° 8' 21".

Account of Strata passed through in No. 2 Bore-hole, High Shaw Fell.

Approximate surface-level 730 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	4	0				Brought forward	2	2	0	0	4	0
				0	4	0	Black stone ...	0	1	2			
Grey beds	0	4	6				White fire-clay ...	0	9	0			
Freestone	0	2	0				Blue metal ...	0	6	0			
Grey beds, with							Freestone ...	0	4	4			
trace of coal ...	0	3	9								5	4	6
Freestone	0	3	9										
Carried forward	2	2	0	0	4	0	Total ...				6	2	6

No. 2,605.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. 55° 9' 45", Long. 2° 8' 17".

*Account of Strata passed through in No. 3 Bore-hole, High Shaw Fell,
400 yards South of Shepherd's House, February, 1884.*

Approximate surface-level 800 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and clay	...	0	3	6				Brought forward	1	2	9	7	1	5
					0	3	6	COAL	...	...	0	0	3	
Freestone	...	1	0	6								1	3	0
Grey beds	...	1	0	6				Soft stone or grey						
Freestone	...	0	5	0				beds	...	1	5	6		
Plate or blue metal	0	3	6					Post	...	0	5	4		
Grey beds	...	0	2	8				Blue metal	...	0	2	1		
White post	...	2	2	8				Post	...	0	3	4		
Grey beds	...	0	1	0				Hard white post	...	2	0	9		
COAL	...	0	0	1				Grey beds	...	1	0	7		
					6	3	11					6	5	7
Blue metal	...	1	2	9										
Carried forward	1	2	9	7	1	5		Total	...	...	15	4	0	

No. 2,606.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 61 of Ordnance Map. Lat. $55^{\circ} 10' 50''$, Long. $2^{\circ} 9' 10''$.*Account of Strata sunk through at Rede Bridge, near East Woodburn, Ridsdale.*

Approximate surface-level 480 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Calcareous grit or impure limestone ...	0	5	0			
Shale, with thin limestone bands ..	1	2	6			
COAL ...	0	1	6			
				2	3	0
Total ...				2	3	0

No. 2,607.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. $55^{\circ} 9' 44\frac{1}{2}''$, Long. $2^{\circ} 7' 3''$.*Account of Strata passed through in Shanks' Kiln Pit (near Awarded Quarry), 1847.*

Approximate surface-level 820 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Limestone</i> ...	1	2	10				Brought forward	10	5	6			
<i>Freestone</i> ...	0	5	3										
<i>Grey beds</i> ...	0	3	0				COAL , good						
<i>Plate</i> ...	3	0	1					Ft. In.					
<i>Iron band</i> ...	0	0	4				COAL , coarse	0	2				
<i>Plate</i> ...	5	0	0				<i>Slaty band</i> ...	0	5				
							COAL , good	0	4				
										0	1	9	
													11 1 3
Carried forward	10	5	6				Total ...			11	1	3	

No. 2,608.—CORSENSIDE.

TOWNSHIP OF LISLESBURN, NORTHUMBERLAND.

Sheet 69 of Ordnance Map. Lat. $55^{\circ} 9' 43\frac{1}{2}''$, Long. $2^{\circ} 7' 36''$.*Account of Strata sunk through at Stiddle Hill Pit, Ridsdale Mines, December, 1874.*

Approximate surface-level 800 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Soil, clay and gravel</i>	2	2	0				Brought forward	8	1	4	6	0	2
				2	2	0	COAL ...	0	0	2			
<i>Freestone</i> ...	3	4	0								8	1	6
COAL ...	0	0	2				<i>Blue metal</i> ...	1	0	5			
				3	4	2	<i>Freestone</i> ...	1	5	0			
<i>Blue metal</i> ...	1	0	0				<i>Blue metal</i> ...	0	0	10			
<i>Whin</i> ...	0	1	4										
<i>Freestone</i> ...	1	0	0				COAL ...						
<i>Blue metal</i> ...	2	2	0					Ft. In.					
<i>Whin</i> ...	0	4	0				<i>Band</i> ...	0	8				
<i>Freestone</i> ...	1	1	0				COAL ...	1	11				
<i>Blue metal</i> ...	0	1	0							0	3	1	
<i>Freestone</i> ...	1	4	0										3 3 4
Carried forward	8	1	4	6	0	2	Total ...			17	5	0	

No. 2,609.—COWPEN.

TOWNSHIP OF COWPEN, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 7' 10", Long. 1° 31' 48".

Account of Strata sunk through in the Isabella Pit, Cowpen Colliery, between the Low Main and the Brockwell Seams.—Continuation of No. 590.

Approximate surface-level 45 feet above sea (Ordnance datum).

Depth from surface	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Grey post ...	0	2	4	114	2	10	COAL ...	3	3	4	142	4	7
Whin girdle ...	0	1	6					0	0	5			
Grey metal ...	3	4	7								3	3	9
<i>Plessey Seam—</i>							Seggar-clay ...	0	0	6			
COAL ...	0	4	0	5	0	5	Post ...	1	1	0			
Seggar-clay ...	0	0	9				Whin ...	0	1	6			
Dark metal ...	1	0	4				Post ...	2	0	4			
Post, open ...	1	4	0				Blue metal, with						
COAL ...	0	0	10	2	5	11	post girdles ...	0	1	8			
Seggar-clay ...	0	2	3				Black stone ...	0	0	2			
Grey metal ...	1	0	0				<i>Top Busty Seam—</i>						
Post ...	0	3	0				COAL ...	1	2				
Post, with whin							Band ...	0	1½				
girdles ...	7	3	2				COAL ...	0	8½				
Blue metal ...	0	2	0					0	2	0			
Black metal ...	1	1	0				Black stone ...	0	0	6			
White seggar-clay ...	0	2	10				Seggar-clay ...	0	3	6			
COAL ...	0	0	8	11	2	11	Grey metal ...	1	0	8			
Seggar-clay ...	0	2	9				Post ...	2	5	2			
Grey metal ...	0	3	0				COAL ...	0	0	7			
Grey post ...	1	0	9					4	4	5			
Grey metal ...	3	0	2				Seggar-clay ...	0	2	3			
Post ...	0	3	4				Black metal ...	0	2	11			
Blue metal ...	1	0	6				Grey metal ...	0	2	7			
<i>Beaumont Seam—</i>							Post girdles ...	0	0	6			
COAL ...	0	6					Blue metal ...	0	1	2			
Splint ...	0	4					Post girdles...	0	1	8			
COAL ...	0	9					Black metal...	0	1	4			
Band ...	0	2					<i>Bottom Busty Seam—</i>						
COAL ...	1	6					COAL ...	0	2	0			
	0	3	3					2	2	5			
<i>Sunk further in a</i>							Grey metal ...	0	3	1			
<i>Staple near Shaft:—</i>							COAL ...	0	0	2			
Seggar-clay ...	0	4	3					0	3	3			
Post girdles ...	0	0	10				Grey metal ...	0	2	9			
Grey metal ...	0	2	9				Post girdles...	0	0	7			
COAL ...	0	0	11				Grey metal ...	0	3	6			
	1	2	9				Grey metal, with post						
Seggar-clay ...	0	1	10				girdles ...	0	3	11			
Post ...	1	0	6				COAL ...	0	0	1			
Seggar-clay ...	0	1	4					1	4	10			
Grey metal ...	0	4	7				Black metal...	0	0	8			
Black stone ...	0	1	0				Seggar-clay ...	1	0	1			
Seggar-clay ...	0	1	9				Grey metal ...	0	2	11			
Post ...	0	4	4				Post girdles...	1	3	0			
							Blue metal ...	0	4	7			
							COAL ...	0	1	3			
								4	0	6			
							Grey metal ...	0	1	3			
Carried forward	3	3	4	142	4	7	Carried forward	0	1	3	164	0	11

No. 2,609.—COWPEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	3	164	0	11	Brought forward	0	4	5	164	4	6
Grey post ...	0	0	7				Grey metal ...	0	1	7			
Grey metal ...	0	0	6				Post ...	3	3	0			
Post ..	0	0	1				Blue metal ...	0	0	9			
Blue metal ...	0	0	7				Post ...	0	3	1			
Grey post ...	0	0	2				Blue metal ...	0	0	7			
COAL ...	0	0	5				Post ...	2	2	4			
				0	3	7	Black stone ...	0	0	4			
Seggar-clay ...	0	0	2				<i>Brockwell Seam—</i>						
Blue metal ...	0	0	11				COAL ...	0	2	0			
Grey metal ...	0	3	3								8	0	1
Post girdles...	0	0	1										
Carried forward	0	4	5	164	4	6	Total ...				172	4	7

No. 2,610.—COWPEN.

TOWNSHIP OF NEWSHAM AND SOUTH BLYTH, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 7' 22", Long. 1° 30' 13".

Account of Strata sunk and bored through in the Mill Pit, Blyth. Commenced January 26th, 1885.

Approximate surface-level 14 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	8	1	11	3	5	1
Soil ...	0	0	6				Grey metal ...	0	2	0			
Yellow sandy clay...	0	2	4				COAL ...	0	1	2			
Brown loamy clay...	0	1	4								8	5	1
Light sand ...	0	0	2				Grey metal and post	0	2	0			
Brown clay ...	0	4	4				Post girdles, with						
Brown clay, with							metal partings ...	2	5	0			
tumbling stones...	0	5	6				Grey metal ...	0	3	8			
				2	2	2	Blue metal ...	0	2	8			
Black metal, with							Black stone ...	1	3	2			
ironstone girdles	0	5	2				COAL ...	0	1	3			
Light blue metal ...	0	1	0								5	5	9
Black metal...	0	0	3				Thill ...	0	2	11			
							Grey metal ...	0	2	0			
COAL , coarse,							Grey post ...	0	3	2			
with danty							Strong bastard post						
partings ...	1	9					girdles ...	0	0	10			
COAL , splinty	0	9					Mild post, with water	1	4	4			
							Mild post, with coal						
				1	2	11	pipes and water ...	2	1	8			
Light coloured thill	0	5	0				Mild post, with partings	4	3	6			
Mild grey post ...	0	2	0				Grey post ...	0	0	6			
Dark thill and metal							Mild white post ...	2	0	0			
mixed, very soft...	0	3	10				Post, with metal						
Light coloured thill	0	2	6				balls ...	0	4	6			
Mild light post ...	0	3	10				Light grey metal ...	0	5	4			
Grey metal and post	0	0	8				Dark metal, with						
Strong post and whin	0	5	0				black partings ...	1	3	9			
Mild post, with water	2	2	4				Black stone ...	0	0	3			
Mild post, very coarse,							Light thill ...	0	2	4			
with water ...	1	2	6				Black stone ...	0	0	2			
Dark mild post ...	0	4	3										
Carried forward	8	1	11	3	5	1	Carried forward	15	5	3	18	3	11

No. 2,610.—COWPEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	15	5	3	18	3	11	Brought forward	5	2	9	5	1		
Thill ...	...	...	...	0	0	5	<i>Yard Seam—</i>						
Black stone and coal	0	0	3				COAL ...	0	2	10				
Thill stone ...	0	4	4								5	5	7	
Dark thill and metal,							Seggar-clay ...	0	2	5				
mixed ...	0	4	10				Grey metal, mixed							
COAL ...	0	0	4				with post ...	1	2	4				
				17	3	5	Mild white post,							
Dark thill, black							with rough part-							
stone and coal,							ings, whin balls							
mixed ...	0	3	10				and water ...	7	1	0				
Light thill ...	0	0	11				Mild post, with coal							
Black stone, with							pipes ...	1	0	9				
coal pipes ...	0	4	0				Soft grey metal ...	0	2	0				
COAL ...	0	1	4				<i>Bensham Seam—</i>							
				1	4	1	COAL ...	0	2	4				
Light thill ...	0	1	4								10	4	10	
Dark thill, mixed							Thill stone, with iron							
with coal ...	0	3	8				balls ...	1	0	1				
Light thill ...	0	3	7				<i>Stone Coal Seam—</i>							
Light grey metal,							COAL ...	0	1	3				
with ironstone balls	2	2	6								1	1	9	
Dark grey metal, with							Thill stone, with iron-							
ironstone girdles	1	0	4				stone balls ...	0	2	8				
Black stone and coal	0	0	8				Strong grey metal,							
Thill stone ...	0	0	3				with ironstone							
Black stone and coal	0	0	4				balls ...	2	4	4				
Thill stone ...	0	0	4				Grey post, with metal							
Black stone and thill	0	1	3				partings and whin							
Black stone ...	0	0	8				balls ...	6	0	0				
Strong grey post ...	0	2	10				Black stone ...	0	0	11				
<i>Grey Seam—</i>							Grey metal ...	0	0	7				
COAL ...	0	1	8				Black stone ...	0	0	6				
				6	1	5	COAL ...	0	1	3				
Dark thill ...	0	1	10								9	4	3	
Dark grey metal, with							Thill stone ...	0	1	1				
ironstone ...	1	1	2				Post girdles...	0	0	5				
Dark grey metal, with							Thill stone ...	0	1	9				
post girdles ...	1	5	0											
Light grey metal ...	1	0	8											
Light grey metal, with							COAL ...	Ft. In.						
post girdles ...	1	2	4				Soft black band	0	2					
Dark grey metal ...	1	0	2				COAL ...	0	7					
Black stone, with iron-											0	1	0	
stone girdles ...	0	3	3											
Ironstone girdles ...	0	0	6								0	4	3	
Dark metal ...	0	1	0				Strong thill ...	0	1	8				
COAL ...	0	0	4				Post girdles, with							
				7	4	3	metal partings ...	0	4	10				
Thill ...	0	2	10				Grey metal, with iron-							
Strong ironstone and							stone ...	1	0	4				
grey metal ...	0	4	2				Mussel bed ...	0	0	6				
Blue metal ...	0	2	0				Grey metal, with iron-							
Light grey post ...	1	4	0				stone girdles ...	0	4	2				
Dark grey post ...	0	1	3				Bastard post girdles	0	0	7				
Light post, with							Grey metal, with iron-							
parting ...	1	0	2				stone ...	0	5	10				
Dark metal ...	0	3	0				COAL ...	0	0	10				
Grey post girdles...	0	2	4								4	0	9	
Blue metal ...	0	1	0				Thill stone ..	0	1	10				
							Grey metal, with post							
Carried forward	5	2	9	5	1		girdles ...	2	3	4				
							Carried forward	2	5	2	8	4	2	6

No. 2,610.—COWPEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.				
Brought forward	2	5	2	84	2	6	Brot. forward	2	0	5	1	10 94	3	0		
Grey post ...	3	5	6				COAL, good	1	6							
Light grey metal ...	0	2	2					0	3	6			5	5	4	
Black stone ...	0	0	5													
<i>Low Main Seam—</i>													100	2	4	
	Ft.	In.					<i>Bored further:—</i>									
COAL, grey	0	2					Coal and metal ...	0	1	2						
COAL, good	4	8					Metal and coal ...	0	0	5						
	0	4	10				COAL, good	0	1	6				0	3	1
Stone ...	0	0	2													
COAL ...	0	0	5				Grey metal stone ...	1	0	6						
				8	0	1	Grey post ...	0	4	0						
<i>Coal and stone, mixed</i>	0	1	1				Dark metal ...	0	1	6						
<i>Thill stone, mixed</i>							COAL ...	0	0	9						
<i>with ironstone</i> ...	0	2	0										2	0	9	
Dark grey metal,							Grey metal stone ...	2	2	9						
<i>mixed with post</i> ...	1	2	8				White post, with									
COAL ...	0	0	1				water ...	4	1	0						
				1	5	10	Whin ...	0	0	6						
Thill ...	0	3	6				Grey post ...	1	4	6						
Grey metal ...	0	2	6				Dark metal ...	1	2	0						
Strong post girdles	0	2	3				Black metal...	0	3	0						
Dark grey metal ...	1	2	0				Grey post ...	0	3	0						
Light grey metal...	1	0	8				Grey metal stone	1	5	6						
Black stone ...	0	3	4				COAL ...	0	0	6						
Light grey metal...	0	3	8										12	4	9	
Dark grey metal and							Grey metal stone ...	2	5	0						
<i>black stone, with</i>							Grey metal ...	0	2	0						
<i>ironstone</i> ...	0	1	11				Grey metal, scared									
<i>Plessey Seam—</i>							<i>with coal</i> ...	0	1	6						
	Ft.	In.					Grey post, with metal									
COAL, good	0	5					partings ...	1	3	0						
COAL, with							Dark metal ...	0	1	0						
<i>grey coal</i>							<i>Beaumont Seam—</i>									
<i>bands</i> ...	1	1½					COAL ...	0	3	3						
<i>Band, coarse</i>													5	3	9	
<i>coal and</i>																
<i>stone</i> ...	0	5½														
Car. forward	2	0	5	1	10	94	3	0					Total ...	121	2	8

No. 2,611.—COWPON MARSH.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat, 54° 36' 24", Long, 1° 12' 39".

Account of Strata passed through in No. 1 Diamond Bore-hole put down on Cowpon Marsh by Mr. John Vivian for the Newcastle Chemical Works Company, Limited, 1885.

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	0	4	0				Brought forward	7	2	4			
Dark muddy sand...	0	2	0				Sand and gravel ...	1	1	0			
Blue sand and clay...	4	5	4				Rough sand ...	1	0	0			
Soft sand ...	1	3	0				Clay ...	0	0	6			
Carried forward	7	2	4				Carried forward	9	3	10			

No. 2,611.—COWPON MARSH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	3	10				Brought forward	113	0	0	14	3	0
Gravel ...	0	0	8				Red sandstone ...	1	3	0			
Red pinnel* ...	0	3	0				Marly sandstone ...	1	1	0			
Brown clay and cobbles ...	2	3	6								115	4	0
Brown pinnel and cobbles ...	1	2	0				<i>Lower Gypseous Marls:</i>						
Hard bound gravel	0	2	0				Marly sandstone, with veins of gypsum...	3	2	0			
				14	3	0	Marly sandstone ...	2	4	0			
							Red marl ...	3	5	0			
<i>Red Sandstones and Marls:</i>							Red marly sandstone	7	4	0			
Soft red sandstone ...	1	0	0				Red marl, with veins of gypsum ...	1	4	0			
Red sandstone ...	0	1	4				Red marl ...	3	1	0			
Soft red sandstone ...	6	4	0				Marly sandstone, with veins of gypsum ...	1	5	0			
Red sandstone ...	37	1	3				Red marl, with veins of gypsum ...	22	2	0			
Soft marl ...	0	0	8							46	3	0	
Red sandstone ...	5	0	0				<i>Saliferous Beds:</i>						
Red sandstone, with marl beds ...	4	3	4				Anhydrite ...	1	3	0			
Red sandstone ...	34	3	11				Red marl, containing a little salt ...	3	1	6			
Red marl ...	0	3	9				Red marl ...	0	2	6			
Red marl, with grey stripes ...	3	0	1				Rock salt ...	16	0	0			
Red sandstone ...	2	1	0				Rock salt and gypsum	0	4	0			
Marly sandstone ...	5	5	2				Rock salt ...	2	4	9			
Red sandy marl ...	2	1	0				White stone ...	0	3	9			
Red sandstone ...	1	0	0				Anhydrite ...	0	2	6			
Red marl ...	2	5	0							25	4	0	
Red sandstone, broken	3	2	6										
Red marl ...	2	3	0										
Carried forward	113	0	0	14	3	0	Total ...	...	202	2	0		

* Pinnel is coarse clayey gravel.

No. 2,612.—COWPON MARSH.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 36' 26", Long. 1° 12' 45".

*Account of Strata passed through in No. 2 Diamond Bore-hole put down on
Cowpon Marsh by Mr. John Vivian for the Newcastle Chemical
Works Company, Limited, 1885.*

Approximate surface-level 12 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ...	...	0	1	0			Brought forward	11	2	0			
Blue clay ...	...	0	1	6			Sandy pinnel ...	...	0	2	0		
Sand ...	...	0	2	6			Gravelly pinnel and						
Blue clay ...	...	0	4	0			cobbles ...	...	1	1	9		
Blue sandy clay ...	...	5	5	0							12	5	9
Sand ...	...	1	4	0			<i>Red Sandstones and</i>						
Bound gravel ...	...	0	2	0			<i>Marls:</i>						
Sand and gravel ...	...	0	4	0			Grey sandstone ...	...	0	2	2		
Brown clay and							Red sandstone ...	66	4	1			
cobbles ...	...	0	5	0			Red sandstone, with						
Pinnel and large							marl beds...	...	2	5	0		
pinnel cobbles* ...	...	0	3	0			Red marl ...	...	0	2	0		
Carried forward	11	2	0				Carried forward	70	1	3	12	5	9

No. 2,612.—COWPON MARSH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	70	1	3	12	5	9	Brought forward	138	5	0			
Red sandstone ...	11	4	0				<i>Lower Gypseous Marls:</i>						
Red sandstone ...	1	5	0				Red sandy marl, with						
Red marl ...	0	5	0				veins of gypsum ...	1	5	0			
Red sandstone ...	4	3	0				Red sandy marl ...	1	3	0			
Red marl ...	4	4	0				Red marl, with veins						
Red sandstone ...	2	4	0				of gypsum ...	7	0	4			
Red sandstone, with							Red marl ...	2	1	8			
marl beds... ..	1	3	0				Red marl, with veins						
Red sandstone ...	0	3	0				of gypsum ...	2	3	0			
Broken red marl ...	0	5	0				Red marl ...	0	3	0			
Broken red sand-							Red marl, with veins						
stone	0	5	0				of gypsum ...	19	2	0			
Red sandstone ...	2	0	0				Red marl ...	2	1	0			
Broken red marl ...	1	4	0								37	1	0
Broken red sand-							<i>Saliferous Beds:</i>						
stone	2	2	0				Anhydrite ...	1	3	0			
Broken red marl ...	1	2	6				Dark marl ...	2	4	2			
Red marl ...	1	1	0				Red marl, containing						
Red sandstone ...	3	4	0				salt	1	0	4			
Red marl ...	1	0	6				Rock salt ...	19	1	4			
Red sandstone ...	0	3	0				White stone ...	1	1	11			
Red marly sandstone	2	5	0				Anhydrite ...	0	1	3			
Red marl ...	4	4	0								26	0	0
Red sandy marl ...	4	3	0										
				125	5	3							
Carried forward				138	5	0	Total ...				202	0	0

* Pinnel is coarse clayey gravel.

No. 2,613.—COWPON MARSH.

TOWNSHIP OF HILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 36' 25", Long. 1° 12' 50".

Account of Strata passed through in No. 3 Diamond Bore-hole put down on Cowpon Marsh by Mr. John Vivian for the Newcastle Chemical Works Company, Limited, 1885.

Approximate surface-level 12 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	10	3	0	12	3	0
Blue clay	0	1	6				Grey sandstone ...	0	4	6			
Sand	0	2	6				Red sandstone ...	24	4	6			
Blue clay	6	2	0				Broken red marl ...	0	3	0			
Sand	1	3	0				Red sandstone ...	33	3	0			
Sand and gravel ...	0	4	0				Red marl ...	0	4	0			
Brown sandy pinnel,							Red sandstone ...	5	0	0			
with pinnel cobbles*	0	1	0				Red marl ...	0	3	0			
Red clay and cobbles	0	5	0				Red sandstone ...	7	1	0			
Brown sandy clay,							Red marl ...	0	3	0			
with cobbles ...	2	0	0				Red sandstone ...	0	5	0			
Red sandy pinnel ...	0	1	0				Red marl ...	0	4	0			
				12	3	0	Red sandstone ...	5	1	6			
<i>Red Sandstones and</i>							Red marl ...	2	4	0			
<i>Marls:</i>							Red sandstone, very						
Soft red sandstone...	0	3	6				much broken ...	9	4	6			
Red sandstone ...	9	5	6				Red sandstone ...	3	0	6			
Carried forward	10	3	0	12	3	0	Carried forward	106	0	6	12	3	0

No. 2,613.—COWPON MARSH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	106	0	6	12	3	0	Brought forward	176	2	0			
Red marl ...	2	1	0				<i>Saliferous Beds:</i>						
Red sandstone ...	3	5	6				Anhydrite ...	1	3	9			
Red marl ...	1	3	0				Broken red marl,						
Red sandstone ...	2	0	0				very salty...	1	2	0			
Red marl ...	4	0	0				Red marl, containing						
Marly sandstone ...	3	2	0				salt	2	1	9			
Red marl ...	3	1	0				Rock salt	16	5	6			
				126	1	0	Gypsum	0	1	6			
<i>Lower Gypseous Marls:</i>							Anhydrite	0	1	0			
Red marl, with veins							Gypsum, containing						
of gypsum	37	4	0				salt	1	3	6			
				37	4	0	Anhydrite	0	2	0			
											24	3	0
Carried forward				176	2	0	Total	200	5	0			

* Pinnel is coarse clayey gravel.

No. 2,614.—COWPON MARSH.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 36' 23", Long. 1° 12' 45".

Account of Strata passed through in No. 4 Diamond Bore-hole put down on Cowpon Marsh by Mr. John Vivian for the Newcastle Chemical Works Company, Limited, 1885.

Approximate surface-level 12 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	83	5	10	13	0	8
Brown sandy clay...	0	1	6				Red marly sandstone	0	1	6			
Sand ...	0	2	9				Red marl ...	0	4	0			
Blue clay ...	5	0	9				Red sandstone	3	4	6			
Brown clay ...	0	4	0				Red marly sandstone	0	2	0			
Sand ...	1	3	2				Red sandstone	1	3	0			
Sand and gravel ...	0	0	4				Red marly sandstone	1	4	6			
Brown pinnel*	3	0	6				Red marl ...	0	1	6			
Brown pinnel, with							Red marly sandstone	6	2	0			
cobbles ...	1	4	8				Marl ...	0	3	0			
				13	0	8	Red sandstone	3	0	0			
<i>Red Sandstones and</i>							Red marly sandstone	1	0	6			
<i>Marls:</i>							Red sandy marl	1	1	10			
Soft red sandstone...	1	2	4				Red sandstone	1	1	0			
Red sandstone	8	2	0				Red marl	1	0	0			
Grey sandstone	0	4	0				Red sandstone, with						
Red sandstone	7	1	0				beds of marl	4	5	8			
Red sandstone	47	1	6				Red marl	1	1	0			
Red marl ...	0	1	0				Red sandstone and						
Red sandstone	1	2	3				marl	3	3	6			
Red sandstone, with							Red sandy marl	5	2	6			
beds of marl	3	3	9				Red marl	5	0	0			
Red marly sandstone	0	3	6								126	5	10
Red sandstone	4	3	0				<i>Lower Gypseous Marls:</i>						
Red marly sandstone	4	1	0				Red marl, with veins						
Red sandstone	4	4	6				of gypsum	10	1	6			
Carried forward	83	5	10	13	0	8	Carried forward	10	1	6	140	0	6

No. 2,614.—COWPON MARSH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	1	6	140	0	6	Brought forward	0	0	6	176	5	0
Red marl ...	3	0	8				Hard white stone ...	1	2	6			
Red marl ...	7	4	7				Broken red marl,						
Not drawn ...	3	0	3				containing salt ...	1	0	4			
Red marl, with veins							Red marl, containing						
of gypsum ...	2	3	0				salt ...	2	0	6			
Red marl ...	1	3	0				Decayed brown marl	0	1	0			
Red marl, with ver-							Decayed brown marl						
tical joints of gyp-							and rock salt ...	2	0	2			
sum, $\frac{1}{2}$ in. thick	0	4	3				Rock salt ...	15	0	6			
Red marl ...	2	5	3				Gypsum and salt ...	0	5	6			
Red marl, with veins							Gypsum and salt ...	0	4	0			
of gypsum ...	2	3	0				Gypsum and salt ...	1	1	0			
Red marl, with gyp-							Gypsum, containing						
sum ...	2	3	0				a little salt ...	0	3	0			
				36	4	6	Anhydrite ...	0	2	0			
<i>Saliferous Beds:</i>											25	3	0
White stone ...	0	0	6										
Carried forward	0	0	6	176	5	0	Total ...				202	2	0

* Pinnel is coarse clayey gravel.

No. 2,615.—COXHOE.

TOWNSHIP OF COXHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. $54^{\circ} 43' 25''$, Long. $1^{\circ} 29' 22''$.*Account of Strata sunk through in the Bore-hole Pit, Coxhoe Colliery, in Mr. Isaac Hopper's Grounds, 1827-1830.—Continuation of No. 603.*

Approximate surface-level 470 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface				78	2	8	Brought forward	2	0	4	82	3	5
White post ...	0	3	3				COAL ...	0	0	3			
Whin and post girdle	0	1	0								2	0	7
Strong white post...	0	3	0				Strong grey metal,						
Grey metal, with							with girdles ...	0	4	7			
girdles ...	2	0	6				White post, with						
Whin ...	0	0	9				girdles ...	0	0	6			
Grey metal, with							Grey metal ...	0	1	6			
hard girdles ...	0	2	3				COAL ...	0	0	2			
<i>Supposed Harvey</i>											1	0	9
<i>Seam—</i>							Strong grey metal...	2	5	6			
COAL , good 1 9							Whin and grey post	0	1	1			
COAL , foul 0 3							Strong metal, with						
	0	2	0				girdles ...	1	1	0			
				4	0	9	Whin and white						
Strong grey post ...	1	2	4				girdles ...	2	1	10			
Grey metal ...	0	4	0				Strong white post...	1	3	11			
							Whin, into ...	0	0	3			
Carried forward	2	0	4	82	3	5					8	1	7
							Total ...				94	0	4

No. 2,616.—COXHOE.

TOWNSHIP OF COXHOE, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole in the Elizabeth Pit from the Main Coal Seam.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	3	3	6				Brought forward	2	1	0	35	2	10
White post ...	5	2	0				White post, with						
Strong grey metal...	3	3	0				metal partings ...	7	3	0			
COAL , coarse, with							<i>Supposed Hutton</i>						
black stone ...	0	3	7				<i>Seam—</i>						
				13	0	1	COAL ...						
Grey metal, with iron							Stone ...	0	10				
balls ...	2	1	0				COAL ...	0	11				
White post, with										0	3	10	
water ...	7	5	0										10
Strong grey stone ...	1	5	0				Strong post, with						
<i>Supposed Low Main</i>							large metal part-						
<i>Seam—</i>							ings ...	14	0	6			
COAL , good ...	0	2	6				COAL , bad ...	0	1	8			
				12	1	6					14	2	2
Seggar-clay ...	0	3	2				Seggar-clay ...	1	0	6			
Strong grey metal,							Strong white post,						
with post girdles	9	1	2				with coal pipes ...	10	0	8			
<i>Supposed Brass Thill</i>							Black stone ...	0	0	2			
<i>Seam—</i>							<i>Supposed Harvey</i>						
COAL ...							<i>Seam—</i>						
Stone ...	0	10					COAL ...	0	3	8			
COAL ...	0	11								11	5	0	
				0	2	11	Blackstone, inclining						
				10	1	3	to splint ...	0	0	10			
Grey metal ...	2	1	0								0	0	10
Carried forward	2	1	0	35	2	10	Total ...				72	0	8

No. 2,617.—COXHOE.

TOWNSHIP OF COXHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole in the Coxhoe Pit from the Main Coal Seam.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Metal pipe ...	2	1	6				Brought forward	25	2	6			
Grey metal stone,							White post, mixed						
with post girdles...	15	3	0				with whin ...	3	2	0			
White post ...	6	1	0				<i>Low Main Seam—</i>						
Metal... ..	0	2	0				COAL , strong ...	0	2	1			
White post ...	0	3	0								29	0	7
Grey metal stone,							Grey metal ...	0	4	0			
with post girdles...	0	4	0				White post ...	0	5	6			
Carried forward	25	2	6				Carried forward	1	3	6	29	0	7

No. 2,617.—COXHOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	6	29	0	7	Brought forward	0	2	0	51	0	2	
Grey metal stone ...	4	4	6				Grey metal, with whin							
COAL ...	...	...	0	0	6		girdles ...	...	1	5	0			
						6	White post ...	...	4	3	4			
Grey metal ...	...	2	4	0			Grey metal ...	...	0	0	6			
Black metal...	...	0	0	6			COAL ...	...	...	0	0	8		
COAL ...	...	...	0	0	6									
						2	Grey metal ...	...	0	0	1			
Grey metal ...	...	0	2	1			Grey post ...	...	0	2	0			
Ironstone ...	...	0	0	7			Grey metal stone ...	...	1	1	10			
Dark metal, scared							Whin ...	...	0	3	8			
with coal ...	...	0	2	6			White post, mixed							
Grey metal, with iron-							with whin ...	...	1	0	0			
stone girdles ...	...	1	5	0			Grey metal, with iron-							
White and grey post	...	1	0	0			stone girdles ...	...	2	0	6			
Grey metal ...	...	0	5	10			Whin ...	...	0	0	6			
COAL ...	...	...	0	2	5		Grey metal, with post							
						5	girdles ...	...	3	2	0			
Grey metal, with post							Black metal...	...	0	5	6			
girdles ...	...	4	1	7			Grey metal stone,							
							with post girdles	...	1	0	0			
COAL , with	Ft. In.						Whin ...	...	0	1	6			
water ...	...	2	8				Grey metal ...	...	0	2	6			
COAL , coarse	...	0	2				Grey metal stone, with							
	...	...	0	2	10		ironstone girdles	...	2	5	6			
						4	White post ...	...	0	1	6			
Grey metal stone ...	...	2	4	0			Grey metal stone ...	...	0	3	4			
Dark metal ...	...	0	1	0			COAL ...	...	...	0	3	8		
COAL ...	...	...	0	0	3									
						2	Grey metal ...	...	0	3	0			
Grey metal ...	...	0	2	0										
Carried forward	0	2	0	51	0	2	Total ...	...	...	74	0	9		

No. 2,618.—COXHOE.

TOWNSHIP OF COXHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43' 32", Long. 1° 29' 50".

Account of Strata bored through in the West Way at Coxhoe Colliery, below the Harvey Seam, by Messrs. William Coulson and Son, December, 1876.

Approximate surface-level 395 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Soft seggar-clay ...	...	0	2	5			Brought forward	2	4	8	2	0	3	
Strong grey metal...	...	1	3	4			Strong grey metal,							
							with post girdles	...	0	5	10			
COAL ...	Ft. In.						Strong grey post, with							
COAL , splint	...	0	4				ironstone balls and							
	...	...	0	2			metal partings ...	...	6	1	8			
						0	Grey post, with metal							
Strong grey shale,							partings ...	...	0	5	10			
with hard girdles	...	2	2	8			Soft grey metal ...	...	0	0	6			
Soft grey metal,							COAL , hard and							
mixed with coal,							coarse, with shale							
with water in the							and dant partings	...	0	1	0			
leader of a trouble	...	0	2	0										
Carried forward	2	4	8	2	0	3	Carried forward					13	1	9

No. 2,618.—COXHOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				13	1	9	Brought forward	3	4	9	13	1	9
Soft grey metal ...	0	1	6				<i>Busty Seam—</i>						
Strong grey metal ...	1	5	6				COAL , rather hard	0	2	8			
Soft dark grey metal	1	1	7								4	1	5
Strong black metal	0	0	10				Dark grey metal, with						
Black shale, with							scars of coal ...	0	1	7			
scars of coal ...	0	0	7				Strong grey metal						
Black shale, with							stone ...	1	0	0			
coal ...	0	0	3				Black metal, with a						
COAL , with layers							little coal ...	0	1	2			
of shale ...	0	0	3				Grey metal, with post						
Very dark shale, with							girdles ...	0	5	6			
scars of coal ...	0	0	3								2	2	3
Carried forward	3	4	9	13	1	9	Total ...				19	5	5

No. 2,619.—COXHOE.

TOWNSHIP OF COXHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. _____, Long. _____

Account of Strata sunk through in the New Winning at Coxhoe Colliery from the Main Coal Seam.—Continuation of No. 606.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	1	3	0				Brought forward				35	0	11
Grey metal, with post							Seggar-clay ...	0	3	0			
girdles ...	9	3	0				Grey and white post	2	1	0			
COAL ...	0	0	7				Black metal...	0	1	5			
				11	0	7	COAL ...	0	0	6			
Strong grey metal...	2	2	3								2	5	11
Black metal...	0	1	10				Black metal...	0	3	9			
Thill stone ...	0	2	6				COAL ...	0	0	5			
Strong grey metal...	1	3	8								0	4	2
Strong white post...	6	0	0				Black metal...	0	3	0			
Strong grey metal...	0	2	0				Grey metal, with iron-						
Strong white post...	0	2	6				stone girdles ...	1	5	5			
Grey metal ...	0	0	6				White and grey post	0	5	0			
Strong white post ...	0	3	0				Dark grey metal ...	1	0	3			
Grey metal ...	0	0	6										
Strong white post,							Ft. In.						
with whinstone ...	5	0	8				COAL ...	1	6				
<i>Low Main Seam—</i>							Blackstoneband	0	1				
COAL ...	0	2	0				COAL ...	0	11				
				17	3	5					0	2	6
Seggar-clay ...	0	1	4								4	4	2
Black metal...	0	0	4				Strong thill ...	0	0	6			
Grey metal ...	0	1	9				Strong grey metal,						
Black metal...	0	0	8				with ironstone balls	4	0	10			
Grey metal ...	0	0	11				Dark metal ...	0	0	10			
White post ...	0	5	0				<i>Hutton Seam—</i>						
Strong grey metal,							COAL ...	0	2	9			
with post girdles	4	0	0								4	4	11
Dark metal ...	0	4	4				Black metal...	0	0	2			
COAL ...	0	0	7				Strong thill ...	0	0	10			
				6	2	11	Strong grey post	1	0	0			
Carried forward	35	0	11				Strong grey metal...	0	5	9			
							Carried forward	2	0	9	48	2	1

No. 2,619.—COXHOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	9	48	2	1		Brought forward	1	1	0	62	1	11
Strong white post...	0	3	6					Black metal, with						
Black metal...	0	0	9					ironstone balls ...	2	2	0			
COAL ...	0	0	6					Dark grey metal,						
				2	5	6		with post girdles	2	1	0			
Strong grey metal,								COAL ...	0	0	2			
with post girdles...	0	5	6									5	4	2
Strong grey post,								Strong grey metal,						
with whin ...	6	0	0					with post girdles	1	0	0			
COAL ...	0	1	2					Strong white post,						
				7	0	8		mixed with whin...	0	4	6			
Strong grey post ...	0	2	0					Strong grey metal,						
Strong grey metal,								with post girdles	3	2	6			
with post girdles...	1	0	0					Dark metal ...	0	2	0			
White post, mixed								COAL ...	0	3	8			
with whin...	1	0	0									6	0	8
Strong white post ...	0	5	10					Black metal...	0	0	2			
Dark metal ...	0	3	4					Strong thill ...	0	4	0			
COAL ...	0	0	6					COAL ...	0	0	9			
				3	5	8						0	4	11
Strong grey metal,								Strong thill ...	1	0	0			
with ironstone								Strong white post,						
girdles ...	1	1	0					with water ...	3	4	1			
												4	4	1
Carried forward	1	1	0	62	1	11		Total ...				79	3	9

No. 2,620.—CRAMLINGTON.

TOWNSHIP OF CRAMLINGTON, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 51", Long. 1° 33' 47".

Account of Strata sunk and bored through in the Betsy Pit, Cramlington Colliery.

Approximate surface-level 210 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>								Brought forward	0	4	0	17	4	4
Soil ...	0	0	6					<i>High Main Seam—</i>						
Brown and yellow														
clay ...	0	2	0					COAL ...						
Sand ...	0	1	0					Ft. In.						
Blue stony clay, with								Brown metal	0	2				
whin tumblers ...	11	1	6					COAL ...	2	10				
				11	5	0		Grey metal	0	7				
Grey metal, with post								COAL ...	1	0				
girdles ...	3	0	0									0	4	11
Dark grey and black												1	2	11
metal, with hard								Dark grey metal ...	2	4	9			
lumps ...	2	4	0					White post, with						
COAL ...	0	1	4					metal partings ...	4	0	0			
				5	5	4		Strong white post,						
Grey metal, with								with water ...	1	3	0			
scarcs of coal ...	0	4	0					Whin ...	0	2	0			
								White post ...	0	3	0			
Carried forward	0	4	0	17	4	4		Carried forward	9	0	9	19	1	3

No. 2,620.—CRAMLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	0	9	19	1	3	Brought forward	52	5	6			
Grey metal stone, with post girdles	1	3	0				Grey metal, mixed with post ...	5	3	6			
White post, with water ...	2	0	0				Whin ...	0	0	6			
Grey metal ...	0	0	5				Grey metal, with post girdles ...	0	4	3			
COAL ...	0	0	2				Strong post, with partings ...	3	3	0			
				12	4	4	Grey metal ...	0	2	4			
Grey seared post ...	0	2	0				Black stone, mixed with coal ...	0	0	10			
Grey metal stone, with girdles ...	3	1	5				Grey metal ...	3	2	5			
White post, with metal partings ...	2	1	0				COAL ...	0	2	2			
Grey metal and metal stone, with girdles	0	5	6								14	1	0
<i>Grey or Main Coal Seam—</i>							Grey metal, with whin girdles ...	0	5	2			
COAL ...	2	9					Strong post, mixed with whin ...	1	1	6			
COAL , rather foul and brassy ...	0	7					Whin ...	0	1	0			
COAL , with sulphur near bottom ...	2	8					Grey metal ...	0	3	4			
COAL , foul ...	0	6					Whin ...	0	0	5			
				1	0	6	Strong post ...	0	1	9			
							Grey metal, with whin girdles ...	1	3	8			
Grey metal stone, with post girdles	4	1	6				Post ...	0	2	1			
Black metal, with whin girdles ...	0	2	0				Grey metal ...	0	3	2			
COAL ...	0	5					COAL ...	2	5				
Hard band ...	0	2					Thill ...	0	7				
COAL , foul and mixed with metal near the bot- tom ...	0	8					COAL , hard foul ...	0	7				
COAL ...	0	3									0	3	7
				0	1	6							
											6	1	8
Grey metal ...	0	0	2				Dark thill and grey metal ...	0	4	7			
Grey metal stone ...	0	0	10				COAL ...	0	0	8			
White post ...	0	4	0								0	5	3
Grey metal ...	0	4	0				White thill ...	0	1	0			
Strong white post ...	0	4	2				Dark metal, mixed with coal ...	0	0	8			
Whin ...	0	4	4				Grey metal, mixed with post ...	0	3	0			
Strong white post, with thin whin girdles ...	2	1	7				Strong white post ...	0	2	0			
Strong white post ...	1	3	6				Grey metal ...	0	1	7			
Grey metal stone, with post girdles	1	1	0				Whin ...	0	0	10			
<i>Yard Seam—</i>							Post ...	0	3	8			
COAL ...	2	8					Dark metal ...	0	0	10			
Black metal band ...	0	2					Grey metal, with iron- stone girdles ...	1	5	7			
COAL ...	0	1					Black stone, mixed with coal ...	0	1	7			
				0	2	11	Grey metal, with iron- stone girdles ...	2	1	7			
							<i>Low Main Seam—</i>						
							COAL , cannel ...	0	2				
							COAL , clean ...	5	5				
											0	5	7
											7	3	11
Carried forward				8	2	6	Thill stone ...	0	4	0			
							Carried forward	0	4	0	81	5	4

No. 2,620.—CRAMLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				181	0	3	Brought forward	3	3	5	202	2	4
Dark grey metal, with post girdles ...	3	3	9				Grey metal ...	0	5	6			
Grey post, with metal partings ...	4	5	0				Grey post, with metal partings ...	2	3	9			
Hard grey post ...	5	2	11				COAL ...	0	0	8			
Grey metal ...	1	5	0								7	1	4
White post ...	1	2	3				Light grey metal ...	1	0	8			
Grey metal, with post girdles ...	0	5	0				Soft grey post ...	4	0	7			
White post ...	2	4	2				Grey metal, with post girdles ...	1	5	7			
Grey metal ...	0	3	2				Grey post, with metal partings ...	0	4	6			
COAL ...	0	0	10				Hard grey post ...	0	1	6			
				21	2	1	Grey post, with metal partings, into ...	0	2	6			
Grey post ...	0	2	5								8	3	4
Grey metal ...	1	2	0										
Grey post ...	1	5	0										
Carried forward	3	3	5	202	2	4	Total ...				218	1	0

No. 2,621.—CRAMLINGTON.

TOWNSHIP OF CRAMLINGTON, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 39", Long. 1° 33' 1".

Account of Strata sunk through in the Lamb Pit, Cramlington Colliery.

Approximate surface-level 154 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay ...	24	0	0				Brought forward	0	4	2	43	1	0
				24	0	0	Grey metal, with post girdles ...	4	0	0			
Grey metal, with post girdles ...	13	1	6				White post ...	1	0	6			
White post and whin	4	4	10				Blue metal ...	2	1	6			
<i>Main Coal Seam—</i>							White post ...	0	5	0			
	Ft.	In.					Grey metal, with strong post girdles	3	0	0			
COAL ...	3	9					Blue metal stone ...	0	5	4			
Band ...	0	2					<i>Yard Seam—</i>						
COAL ...	2	9					COAL ...	0	3	0			
				1	0	8					13	1	6
				19	1	0	Grey metal stone ...	4	4	6			
Seggar-clay ...	0	4	2								4	4	6
Carried forward	0	4	2	43	1	0	Total ...				61	1	0

No. 2,622.—CRAMLINGTON.

TOWNSHIP OF CRAMLINGTON, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in a Bore-hole in East Cramlington Lane.—
Continuation of No. 643.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface				15	0	0	Brought forward	10	2	6	15	3	8
<i>High Main Seam—</i>							Scamy post ...	0	3	8			
	Ft.	In.					Scamy post, with						
COAL ...	0	6					metal partings ...	1	1	0			
Stone ...	0	2					Strong post, with						
COAL ...	3	0					water ...	0	3	0			
	—		0	3	8		Grey metal, with post						
				0	3	8	girdles ...	1	4	5			
Strong grey metal							Strong post, with						
stone ...	6	5	0				water ...	0	0	8			
Post, with metal part-							Whin girdles, with						
ings ...	1	5	0				water ...	0	1	4			
Whin girdles ...	0	2	6				Grey metal, with post						
Mild post, with part-							girdles ...	0	2	8			
ings ...	0	4	0				Strong post ...	0	4	4			
Strong post ...	0	4	0							15	5	7	
Carried forward	10	2	6	15	3	8	Total ...			31	3	3	

No. 2,623.—CROOK.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

*Account of Strata passed through in No. 2 Bore-hole upon Mr. Wilkinson's
Estate, close to the Bishop Auckland and Weardale Railway,
near to Hope's New House at Crook.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil	0	1	0				Brought forward				5	0	9	
Yellow clay ...	0	3	0				Dark grey metal, with							
Strong blue clay ...	2	1	8				scars of coal ...	0	1	1				
				2	5	8	Grey metal, with post							
Grey metal, with							girdles and water	1	0	0				
water	1	1	10				Strong white post,							
	Ft.	In.					with water ...	2	0	0				
COAL, with							COAL, with water	0	2	1				
water	3	5									3	3	2	
Band	0	4					Grey metal, into ...	0	2	0				
COAL	1	6										0	2	0
			0	5	3									
				2	1	1								
Carried forward				5	0	9								
							Total				8	5	11	

No. 2,624.—CROOK.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43' 53", Long. 1° 45' 57".

Account of Strata passed through in a Bore-hole put down from the Brockwell Seam at the Arthur Pit, Peases' West Collieries, Crook. Commenced June 3rd, 1887.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	0	4	6				Brought forward	0	2	1	26	0	0
Grey metal ...	1	0	0				Grey post, with hard						
Grey post, with water							girdles ...	4	3	4			
at bottom ..	0	5	6				Grey shale ...	0	4	3			
Hard white post,							Grey post, with hard						
with water ...	0	3	0				girdles ...	1	3	11			
Grey post ...	5	0	0				Whinstone ...	0	0	8			
Dark grey metal ...	0	5	0				Grey metal, with post						
Light grey metal ...	2	0	0				girdles ...	2	2	1			
Grey post ...	3	0	0				COAL , mixed with						
Grey metal, with post							black stone ...	0	0	9			
girdles ...	4	4	6								9	5	1
Dark grey or black							Grey shale ...	1	3	1			
metal, mixed with							Hard white post ...	1	0	9			
coal ...	0	1	0				Grey shale ...	1	1	3			
Grey metal, with post							Hard white post ...	7	0	11			
girdles ...	0	2	0				Grey shale ...	0	1	2			
Hard white post,							White post ...	1	3	3			
with thin partings	3	4	6				Hard post, mixed						
Grey post ...	2	4	11				with whin ...	1	1	9			
Grey metal ...	0	0	10				Grey metal, with post						
COAL ...	0	0	3				girdles ...	2	3	3			
				26	0	0	Whinstone ...	0	0	6			
Grey metal ...	0	2	1								16	3	11
Carried forward	0	2	1	26	0	0	Total ...				52	3	0

No. 2,625.—CROOK BANK.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Strata passed through in No. 4 Bore-hole at Crook Bank Colliery.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	8				Brought forward	1	2	1	1	4	9
Sand and gravel,							Grey post ...	0	1	6			
with water ...	1	3	1				Black metal...	0	0	6			
				1	4	9	Grey metal ...	0	0	6			
Grey post ...	0	4	1				Black metal...	0	5	2			
Black metal, with							Grey post, with water	0	4	1			
post girdles ...	0	2	4				Dark blue metal ...	0	3	2			
Brown post ...	0	1	8				Grey metal ...	0	2	7			
Carried forward	1	2	1	1	4	9	Carried forward	4	1	7	1	4	9

No. 2,625.—CROOK BANK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	1	7	1	4	9	Brought forward	1	2	2	7	3	10
Black metal... ..	0	1	0				Grey metal	1	4	1			
Grey metal, with post							Dark blue metal ...	0	1	0			
girdles	0	3	11				White post	14	4	2			
Light metal, with							<i>Hutton Seam</i> —wrought	0	1	6			
post girdles	0	3	6								18	0	11
COAL	0	1	1				White post from the						
				5	5	1	roof	0	2	3			
Grey metal	0	0	2				Grey metal, with iron-						
White post, with							stone girdles	0	2	3			
metal partings ...	1	2	0								0	4	6
Carried forward	1	2	2	7	3	10	Total				26	3	3

No. 2,626.—CROWTREES.

TOWNSHIP OF QUARRINGTON, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 45", Long. 1° 31' 35".

Account of Strata passed through in a Bore-hole, from the bottom of the Main Coal Seam, in the Vale Pit at Crowtrees. Commenced January 7th, 1850.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill	0	1	3				Brought forward	13	5	7			
Metal pipe ...	3	2	0				Greymetalstone, with						
Grey metal stone,							post girdles ...	6	1	5			
with post girdles	3	2	0				White post	5	5	3			
White post, with a							Grey post, mixed						
little water near							with coal	0	0	6			
the bottom ...	4	4	0				<i>Low Main Seam—</i>						
Grey metal stone, with							COAL , very coarse	0	2	6			
ironstone girdles	2	0	0								26	3	3
Dark metal, mixed							Grey metal, into ...	0	0	4			
with coal	0	2	4								0	0	4
Carried forward	13	5	7				Total				26	3	7

No. 2,627.—CROXDALE.

TOWNSHIP OF SUNDERLAND BRIDGE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 35", Long. 1° 35' 9".

Account of Strata sunk through in the Thornton Pit, Croxdale Colliery.

Approximate surface-level 272 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward			4	5	0	
Sand ...	3	4	0				Blue metal ...	0	4	6			
Gravel, with water	0	5	0				Grey post ...	0	2	4			
				4	5	0	Blue metal ...	1	3	2			
Carried forward				4	5	0	Carried forward	2	4	0	4	5	0

No. 2,627.—CROXDALE.—CONTINUED.

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		2	4	0	4	5	0	Brought forward		6	3	1	30	2	10
COAL	Ft. In.							Black stone	...	0	2	8			
Splint	...	0	2					Seggar-clay	...	0	3	0			
	...	0	10					Broken post	...	5	3	5			
	—	0	1	0				Grey metal	...	1	2	5			
					2	5	0	<i>Hutton Seam—</i>							
Seggar-clay	...	0	0	2				COAL	...	0	1	6			
Post	...	0	0	10					...				14	4	1
Seggar-clay, with								Seggar-clay	...	0	3	5			
post girdles	...	0	2	7				Blue metal	...	1	1	5			
Band	...	0	0	2				Black stone	...	0	0	4			
COAL, coars²	...	0	0	11				Seggar-clay	...	0	3	4			
	—				0	4	8	Grey metal	...	0	2	0			
Seggar-clay, with								White post	...	1	2	7			
iron girdles	...	0	4	6				COAL	...	0	0	2			
COAL	...	0	0	2					...				4	1	3
	—				0	4	8	Seggar-clay	...	0	5	0			
Seggar-clay	...	0	1	0				Grey metal, with post							
Post	...	0	5	0				girdles	...	3	3	0			
Grey metal	...	0	2	5					Ft. In.						
Post	...	0	4	8				COAL	...	0	4				
Grey metal, with post								Seggar-clay	...	0	8				
girdles	...	1	2	7				COAL	...	1	0				
Black stone	...	0	0	7				Slate	...	0	1				
COAL	...	0	1	8				COAL	...	0	6				
	—				3	5	11		...				0	2	7
Coarse seggar-clay	...	0	5	6					...				4	4	7
Broken post	...	4	4	0				Posty seggar-clay	...	0	5	0			
Blue metal and nodules								Grey metal	...	0	2	6			
of ironstone	...	0	2	6				Black stone	...	0	1	0			
	Ft. In.							COAL	...	0	0	4			
COAL	...	1	7						...				1	2	10
Black band	...	0	2					Dark seggar-clay	...	0	5	9			
COAL	...	0	6					Post	...	0	3	8			
COAL, splint	...	0	6					Grey metal	...	2	1	3			
	—	0	2	9				<i>Harvey Seam—</i>							
					6	2	9	COAL	...	0	2	2			
Dark seggar-clay	...	0	4	9					...				4	0	10
Grey metal, with post								Posty seggar-clay	...	0	5	0			
girdles	...	2	2	0				White post	...	15	4	0			
COAL	...	0	0	9				Blue metal	...	1	0	0			
	—				3	1	6	<i>Busty Seam—</i>							
Soft seggar-clay	...	0	0	10				COAL	...						
Blue metal	...	3	2	0					Ft. In.						
COAL	...	0	0	4				COAL	...	0	4				
	—				3	3	2	Band	...	0	1½				
Dark seggar-clay	...	0	1	6				COAL	...	1	6½				
Post and whin, with									...				0	2	0
water and gas	...	3	4	0					...				17	5	0
COAL	...	0	0	8				Coarse seggar-clay	...	0	4	3			
	—				4	0	2	Blue stone	...	0	2	6			
Seggar-clay	...	0	0	8				Black stone	...	0	1	0			
Post, with water	...	1	2	7				Strong seggar-clay	...	0	2	3			
Grey metal, with post								COAL	...	0	0	1			
girdles and water	...	1	4	0					...				1	4	1
Blue stone	...	1	3	9				Seggar-clay	...	0	1	4			
Black stone	...	0	0	6				Grey metal	...	2	1	8			
Seggar-clay	...	0	0	1				Post	...	1	5	0			
Blue stone	...	1	3	6				Blue metal	...	1	4	6			
	—							Badger	...	0	0	3			
Carried forward		6	3	1	30	2	10	Carried forward		6	0	9	79	1	6

No. 2,627.—CROXDALE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	0	9	7	1	6	Brought forward	6	4	5	8	5	10
<i>Brockwell Seam—</i>							Grey metal, with post						
COAL	0	3	7				girdles	2	4	7			
				6	4	4	Blue metal	1	1	10			
Seggar-clay	0	1	6				Black stone	0	1	2			
Post	1	1	0				<i>Victoria Seam—</i>						
Blue stone	0	5	6				COAL	0	2	6			
Grey metal, with post											11	2	6
girdles	3	5	5				Post, into	2	0	0			
Whinstone	0	3	0								2	0	0
Carried forward	6	4	5	8	5	10	Total				99	2	4

No. 2,628.—CROXDALE.

TOWNSHIP OF SUNDERLAND BRIDGE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 44' 33", Long. 1° 34' 20".

Account of Strata bored through in No. 2 Bore-hole on The Island, 100 yards from the Water and 200 yards from the Gate, by Messrs. William Coulson and Son. Commenced January 7th, 1881.

Approximate surface-level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Ft.	In.	
Soil	0	2	0				Brot. forward	1	8	3	0	8	22	1	7
Sand, with a little							Dark metal								
water	2	1	0				band	0	3						
Gravel	1	0	0				COAL , coarse,								
Clay, with thin sand							with shale								
partings	7	0	0				partings and								
Stony clay	2	5	0				brass	0	8						
				13	2	0				0	2	7			
Freestone	1	3	3				Grey shale	1	0	9			3	3	3
Grey shale	1	4	6				Grey post, with shale								
Dark grey shale ...	0	2	11				partings	2	0	0					
COAL	0	0	5				Black shale	0	0	6					
				3	5	1	Grey shale, with post								
Grey shale, with post							girdles	3	1	6					
girdles	0	3	10				Dark grey shale ...	1	3	6					
COAL	0	0	6				White post, with								
				0	4	4	water	4	1	0					
Grey shale, with post							Whin	2	5	7					
girdles	0	5	0				Shale, with post ...	2	0	8					
Grey post, with shale							Very soft dark grey								
partings	3	1	11				shale	3	3	0					
COAL , with brass							Strong grey post,								
near the bottom...	0	1	3				with shale part-								
				4	2	2	ings and water ...	6	1	4					
Grey shale	0	3	6				Dark grey shale ...	0	0	2					
White post	2	3	2				COAL	0	0	11					
											27	0	11		
COAL , coarse,							Strong light grey								
near the bot-							shale	0	2	11					
tom	1	8													
Car. forward	1	8	3	0	8	22	Carried forward	0	2	11	52	5	9		

No. 2,628.—CROXDALE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	2	11	52	5	9	Brought forward	18	2	9	75	4	0
Grey shale, with post girdles ...	1	0	6				COAL, coarse, with much shale ...	0	10				
Very soft grey shale	1	2	8				COAL, coarse	0	5				
Grey and white post	1	2	1				Very dark shale	0	1				
Grey shale, with post girdles ...	7	0	0				COAL	0	1				
Hard white post ...	3	4	5				COAL and shale mixed	0	4				
Grey post, with shale partings ...	0	4	6				COAL, coarse, with much dant	0	7				
Black shale ...	0	0	4				Dark shale, with much coal	0	8				
COAL, coarse	0	0	7				COAL, coarse, with shale and dant partings	0	5				
				16	0	0	COAL, tender, with much dant and a little shale near the top	1	6				
Grey shale ...	0	2	2				Strong black stone, with scars of coal and white spar	0	2				
Grey post, with shale partings ...	1	4	0						0	5	1		
Hard white post, with thin shale partings ...	4	2	7								19	1	10
COAL, with beds of shale	0	1	6				Grey shale ...	0	0	6			
				6	4	3	Grey post, with shale partings ...	1	5	10			
Light shale ...	0	0	9				Soft dark grey shale, with thin post girdles and a 3 inch gullet, 6 inches from the top, with gas	2	3	0			
White post ...	6	3	0								4	3	4
Very hard bastard post ...	0	4	6										
Hard white post ...	1	2	9										
Grey shale, with post girdles ...	0	4	0										
Black shale, with thin layers of coal $\frac{1}{4}$ to $\frac{3}{4}$ inch thick...	0	1	0										
Light grey shale ...	1	4	10										
Grey post, with shale partings ...	2	2	2										
Black shale, with scars of coal ...	0	1	6										
Grey post, with shale partings ...	2	0	8										
Dark grey shale, with thin post girdles	2	1	7										
Carried forward	18	2	9	75	4	0							

No. 2,629.—CROXDALE.

TOWNSHIP OF SUNDERLAND BRIDGE, DURHAM.

Sheet 27 of Ordnance Map. Lat. $54^{\circ} 44' 25''$, Long. $1^{\circ} 33' 58''$.

Account of Strata passed through in No. 1 Bore-hole situated 5 yards from the East Fence and 15 yards from the South Fence in Woodhouse Field, Croxdale Estate. Commenced May 11th, 1904.

Approximate surface-level 303 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	0	3	6			
Yellow clay ...	0	2	6				Stony clay ...	2	0	0			
Carried forward	0	3	6				Carried forward	2	3	6			

No. 2,629.—CROXDALE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	1	7	83	5	10	Brought forward	2	1	3	100	4	9
COAL	0	0	3				Grey post, with shale						
				11	1	10	partings	1	2	3			
Hard white post, with							White post, with						
a trace of coal at							trace of coal ...	1	0	1			
the bottom	5	1	2				Black shale and coal	0	0	5			
Ironstone	0	0	11				Grey post, with white						
Dark grey shale ...	0	0	3				post pannels and						
COAL	0	0	9				trace of coal ...	0	3	4			
				5	3	1	White post	3	2	5			
Seggar-clay	0	3	1				White post, with thin						
Grey shale, with post							dark shale partings	0	3	4			
girdles	0	4	8				White post, into ...	1	2	11			
Grey post	0	5	6								10	4	0
Carried forward	2	1	3	100	4	9	Total	111	2	9			

No. 2,630.—CULLERCOATS.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Duke of Northumberland's Grounds,
40 yards from Cullercoats Old Lane up the Letch, by Mr. Ralph Brown.
Finished October 30th, 1816.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	0	5	8				Brought forward	2	3	4½	16	5	2½
				0	5	8	White post, with						
Grey metal	1	0	10				partings and whin						
Blue metal	0	1	0				girdle and water	13	4	4			
Broken post	2	2	0				COAL	0	0	8			
Blue metal	0	2	4								16	2	4½
COAL	0	2	10				White post, with						
				4	3	0	water	0	5	7			
White thill	0	1	10				Grey metal, with post						
White post	2	1	0				girdles	1	4	0			
Black stone	1	0	2				Blue metal	0	2	6			
White post, with							Black stone, with						
whin girdles and							spar and ironstone						
water	7	0	0				girdles	0	1	8			
Blue metal	0	0	6				Grey metal, with post						
COAL	0	2	7				girdles	1	5	8			
				11	0	1	Black stone	0	0	10			
White thill	0	2	4				Splint stone and coal	0	0	9			
COAL	0	0	1½				<i>Low Main Seam—</i>						
				0	2	5½	COAL	0	0	9			
Blue metal	0	5	3½								5	3	9
Grey metal	1	4	1										
Carried forward	2	3	4½	16	5	2½	Total	38	5	4			

No. 2,631.—DARLINGTON.

TOWNSHIP OF DARLINGTON, DURHAM.

Sheet 55 of Ordnance Map. Lat. , Long.

*Account of Strata bored through at the Victoria Brewery, Darlington, for
Mr. H. Warwick. Commenced September 4th, 1890.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Well	2	3	0				Brought forward	22	2	4			
Running sand, with water	1	4	6				Light brown clay, mixed with lime- stone	0	3	0			
Dark stony clay ...	2	3	0				Soft limestone marl, with water ...	1	4	2			
Brown stony clay ...	0	2	9				Limestone marl, with hard girdles ...	0	2	6			
Gravel, with water	2	4	0				Hard brown lime- stone, with gullets and water ...	2	0	6			
Running sand, with water	0	2	8								27	0	6
Clay	2	5	0										
Sand, with water...	3	0	0										
Dark stony clay ...	0	2	0										
Sand, with water ...	1	4	3										
Hard boulder-clay ...	3	0	2										
Soft brown clay, with pockets of sand and water	22	2	4				Total ...				27	0	6
Carried forward													

No. 2,632.—DAWDON.

TOWNSHIP OF DAWDON, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 49' 24", Long. 1° 19' 16".

Account of Strata sunk through in the Castlereagh Pit, Dawdon Colliery.

Approximate surface-level 110 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	54	2	3	1	5	0
Clay	0	5	6				Hard grey limestone in panels ...	5	0	7½			
Gravel				1	5	0	Marl slate—						
Strong marl, with limestone girdles	8	2	10				Soft shale ...	0	1½				
Limestone, with strong marl part- ings	5	2	7				Hard shale...	1	11½				
Marl, with gulleets	14	0	7								0	2	1
Hard grey limestone	5	4	6				Fish bed ...	0	1	0½			
Yellow limestone, with red marl ...	2	1	2				Blue-grey sand ...	12	3	0			
Hard grey limestone	10	5	7				Brown-grey sand ...	2	5	4			
Grey and yellow limestone	2	5	6								75	2	4
Yellow limestone ...	3	4	0				Very hard post girdle	0	1	0			
Hard grey limestone	0	5	6				Dark grey shale, with red shale bands ...	3	3	0			
							COAL	0	0	0			
							Grey shale ...	0	2	5			
							COAL	0	4	4½			
											4	5	0½
Carried forward	54	2	3	1	5	0	Carried forward				82	0	4½

No. 2,632.—DAWDON.—CONTINUED.

Brought forward						Fs.	Ft.	In.	Fs.	Ft.	In.
						82	0	4½			
Grey post ...	...	...	0	2	2½						
Seggar-clay ...	...	...	1	5	8						
COAL ...	...	...	0	0	10						
						2	2	8½			
Grey shale ...	...	...	0	5	9						
Dark grey shale ...	...	...	0	2	10						
COAL ...	...	...	0	0	1¾						
Dark grey shale ...	...	...	0	0	10¼						
Grey post, with shale	...	...							
partings ...	...	...	1	3	9						
Very hard grey post	...	...	0	1	1						
Grey post, with shale	...	...							
partings ...	...	...	2	0	0						
Dark grey shale ...	...	...	0	0	9						
Grey shale ...	...	...	0	0	4						
Post girdle ...	...	...	0	0	2						
Grey shale ...	...	...	0	0	3						
COAL ...	Ft.	In.									
Band ...	...	...	0	1	½						
COAL ...	...	...	1	10	½						
						0	3	5			
						6	1	4			
Seggar-clay ...	...	...	0	4	5						
Grey shale ...	...	...	0	3	3						
COAL ...	...	...	0	0	7						
						1	2	3			
Seggar-clay ...	...	...	1	4	10						
Grey shale ...	...	...	0	5	6						
Grey shale, with	...	...							
patches of post...	...	...	3	0	0						
Grey shale, with post	...	...							
girdles ...	...	...	1	0	5						
Grey post ...	...	...	0	1	10						
Grey shale ...	...	...	1	1	0						
Grey shale, with	...	...							
patches of post ...	...	...	6	5	0						
Grey shale, with post	...	...							
girdles ...	...	...	0	4	0						
Grey shale, with	...	...							
patches of post ...	...	...	0	3	0						
Grey shale ...	...	...	2	0	8						
Grey shale, with post	...	...							
girdles ...	...	...	1	4	10						
COAL ...	...	...	0	0	7						
						20	1	8			
Dark seggar-clay ...	...	...	0	1	10						
Dark grey shale ...	...	...	0	4	1						
Grey post ...	...	...	0	4	5						
Bastard post ...	...	...	0	1	0						
Grey post ...	...	...	0	5	5						
COAL ...	...	...	0	0	10						
						2	5	7			
Seggar-clay ...	...	...	1	1	7						
Grey shale ...	...	...	2	3	9						
Grey shale, with post	...	...							
girdles ...	...	...	0	4	4						
Seggar-clay ...	...	...	1	2	8						
Grey shale ...	...	...	2	3	3						
						8	3	7 115	1 11		
Carried forward											

Brought forward						Fs.	Ft.	In.	Fs.	Ft.	In.
						8	3	7 115	1 11		
Grey post, in beds...	...	...	12	3	0						
Grey post, with	...	...							
patches of grey	...	...							
shale ...	...	...	0	3	0						
Grey post ...	...	...	3	5	1						
COAL ...	...	...	0	0	4						
						25	3	0			
Seggar-clay ...	...	...	0	2	4						
Grey post, in beds ...	...	...	0	4	10						
Grey shale ...	...	...	0	4	10½						
COAL ...	...	...	0	0	3¾						
Seggar-clay ...	...	...	0	5	6						
Grey shale, with	...	...							
panels of post ...	...	...	2	1	0						
COAL ...	...	...	0	0	6						
						5	1	4			
Seggar-clay ...	...	...	0	0	11						
Grey post ...	...	...	2	2	1						
Grey shale ...	...	...	4	5	7						
COAL ...	...	...	0	3	1						
						7	5	8			
Seggar-clay ...	...	...	0	4	10						
Post ...	...	...	2	2	1						
Grey shale ...	...	...	0	0	6						
Grey post ...	...	...	5	0	5						
Three-Quarter Seam--	...	...							
COAL ...	...	...	0	2	6						
						8	4	4			
Grey post, with shale	...	...							
partings ...	...	...	0	3	1						
Grey post ...	...	...	0	4	11						
Grey shale ...	...	...	0	5	2						
COAL ...	...	...	0	1	1						
						2	2	3			
Seggar-clay ...	...	...	1	1	0						
Grey shale ...	...	...	1	3	10						
Grey shale, with post	...	...							
girdles ...	...	...	0	5	0						
Grey post ...	...	...	2	2	0						
Grey shale, with post	...	...							
girdles ...	...	...	1	3	0						
Grey shale ...	...	...	2	4	6						
COAL ...	...	...	0	0	11						
						10	2	3			
Seggar-clay ...	...	...	0	0	6						
Grey post ...	...	...	1	3	1						
Grey shale ...	...	...	0	5	4						
COAL, splinty	...	...	0	0	8						
Seggar-clay ...	...	...	0	0	6						
Grey post, with shale	...	...							
partings ...	...	...	2	1	10						
Grey shale ...	...	...	2	4	8						
Grey post ...	...	...	0	4	0						
COAL, splinty	...	...	0	0	4						
Seggar-clay ...	...	...	0	1	8						
Grey shale ...	...	...	1	1	4						
COAL, splinty	...	...	0	0	8						
						10	0	7			
Seggar-clay ...	...	...	0	0	6						
						0	0	6 185	3		
Carried forward											

No. 2,632.—DAWDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	0	6	185	3	4	Brought forward	233	4	10			
Grey post ...	3	3	6				Seggar-clay ...	0	5	6			
Grey shale, with post							Grey shale, with post						
girdles ...	1	2	0				girdles ...	1	1	8			
Grey shale ...	3	0	0				<i>Brass Thill Seam—</i>						
Grey post ...	1	0	0										
Grey shale ...	1	5	5										
<i>Five-Quarter Seam—</i>													
	Ft.	In.											
COAL ...	0	8					COAL ...	0	7				
Grey band... 0 3							Band ... 0 3						
COAL ... 2 3							COAL, good 1 2						
Grey band... 0 0½							COAL, with						
COAL ... 2 3							brass ... 0 9						
Grey band... 0 2								0	2	9			
COAL ... 0 8½											2	3	11
	1	0	4				Seggar-clay ...	1	0	0			
				11	5	9	Grey shale ...	1	0	0			
Seggar-clay ...	1	4	1				Grey shale, with iron-						
Strong grey post ...	3	5	1				stone girdles and						
COAL ... 0 0 8							post panel ...	3	5	5			
Seggar-clay ...	0	2	2				<i>Low Main Seam—</i>						
Grey shale ...	2	0	0				COAL ...	0	4	2½			
COAL ... 0 1 9											6	3	7½
				8	1	9	Seggar-clay ...	0	3	11½			
Seggar-clay ...	0	2	6				Grey shale, with iron-						
Grey shale ...	2	4	9				stone girdles ...	6	1	4			
Grey post ...	2	3	0				COAL, on north side						
Grey shale ...	1	0	3				only ...	0	1	7			
											7	0	10½
	Ft.	In.					Seggar-clay ...	0	4	0			
COAL ... 3 7							Grey shale, with post						
COAL, splinty 1 1							girdles ...	0	5	6			
	0	4	8				Grey shale ...	0	1	3			
				7	3	2	COAL ...	0	0	4			
Black shale ...	0	3	0				Grey shale ...	1	0	8			
Grey shale ...	1	2	0				COAL ...	0	0	5½			
Grey post ...	1	1	8				Grey shale ...	0	3	3½			
Grey shale ...	3	4	7				Grey shale, with post						
<i>Main Coal Seam—</i>							girdles ...	0	4	4			
COAL ... 0 4 10							Grey post ...	4	3	10			
				7	4	1	Hard grey post ...	2	0	2			
Seggar-clay ...	0	2	0				<i>Hutton Seam—</i>						
Black stone ...	0	2	0										
Grey post ...	1	0	7				COAL, top	0	2½				
Grey shale, with post							Band ... 0 0¼						
girdles ...	1	4	0				COAL, good 4 6						
Grey shale ...	4	3	0				Band ... 0 5						
Hard grey post ...	0	2	8				COAL, bot-						
Grey post ...	2	0	4				tom ... 1 0						
Grey post, with shale								1	0	2½			
partings ...	0	5	0								12	0	0½
Grey post ...	0	2	2				Seggar-clay ...	1	5	0			
Grey shale ...	0	3	0				Grey post ...	0	5	2¾			
<i>Maudlin Seam—</i>							Grey shale ...	1	4	4			
	Ft.	In.					Black shale ...	0	2	0			
COAL ... 1 0							Grey shale ...	1	3	0			
Band ... 0 4							Black shale ...	0	0	6			
COAL ... 2 8							Ironstone girdle	0	1	0			
	0	4	0				Seggar-clay ...	1	0	6			
				12	4	9	Hard grey post	2	1	0			
Carried forward				233	4	10	Leafy post ...	1	0	0			
							Carried forward	10	4	6¾	262	1	3¼

No. 2,632.—DAWDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	4	6 $\frac{3}{4}$	262	1	3 $\frac{1}{4}$	Brought forward	274	1	1			
Grey post ...	1	0	1				Seggar-clay ...	0	3	1			
Black shale ...	0	0	7 $\frac{1}{2}$				Grey post ...	0	2	8			
COAL ...	0	0	6 $\frac{1}{2}$				Grey shale, into ...	1	2	6			
				11	5	9 $\frac{3}{4}$					2	2	3
Carried forward				274	1	1	Total ...				276	3	4

No. 2,633.—DEAF HILL.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 36 of Ordnance Map. Lat. 54° 43' 23", Long. 1° 24' 28".

Account of Strata sunk through in the No. 3 Pit, Deaf Hill Colliery, for the Trimdon Coal Company, 1891-1892.

Approximate surface-level 480 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay and gravel	9	0	0				Brought forward	21	0	6	58	3	4
Strong clay and beds of marl ...	2	3	2				<i>Three-Quarter Seam—</i>						
				11	3	2	COAL , mixed with black stone ...	0	3	5			
Marl and limestone	12	1	2				<i>Five-Quarter Seam—</i>						
Limestone and marl beds ...	6	0	0				COAL ...	0	3	7			
Strong honey-combed yellow limestone	14	0	0								22	1	6
Honey-combed limestone ...	7	2	9				Seggar-clay ...	0	4	6			
Blue and yellow limestone ...	5	2	5				Grey metal ...	4	3	7			
Marl slate (fish bed)	0	4	5				Grey post ...	5	0	0			
Blue sand ...	0	1	9				White post ...	5	3	7			
Yellow sand ...	0	4	8				<i>Main Coal Seam—</i>						
Blue sand ...	0	1	0				COAL ...	0	4				
				47	0	2	Band ...	0	4				
Soft blue metal ...	0	3	6				COAL , good	3	0				
Blue and red metal	4	0	7				COAL , coarse	0	6				
Red and grey post...	2	0	4								0	4	2
Red seggar-clay ...	0	2	7								16	3	10
Strong red and grey metal ...	3	1	0				Seggar-clay ...	0	3	0			
Grey metal, with black partings ...	1	0	11				COAL , coarse ...	0	1	3			
Blue metal, with balls of ironstone ...	1	0	7								0	4	3
Grey metal ...	1	1	0				Grey metal ...	0	3	0			
Strong grey metal, with balls of ironstone ...	0	4	6				Grey post ...	3	0	0			
Red and grey post	3	5	0				Grey metal ...	3	2	0			
Ironstone girdle ...	0	0	2				COAL ...	0	1	0			
Red and grey post...	2	1	10								7	0	0
Grey metal ...	0	2	6				Seggar-clay ...	0	3	0			
							Grey post ...	11	2	4			
Carried forward	21	0	6	58	3	4	Blue metal ...	1	3	0			
							<i>Low Main Seam—</i>						
							COAL ...	0	3	6			
											13	5	10
							White post ...	3	0	7			
							Black stone ...	0	1	0			
							COAL ...	0	0	2			
							Carried forward	3	1	9	119	0	9

No. 2,633.—DEAF HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	1	9	119	0	9	Brought forward	9	2	0	146	4	5
Grey post ...	...	2	0	0			Grey metal ...	...	1	3	0		
COAL ...	...	0	0	5									
Grey metal ...	...	1	0	10			COAL ...	...	0	1			
COAL ...	...	0	0	5			Black shale ...	...	0	9			
Strong grey metal,							COAL ...	...	0	6			
with post girdles...	1	4	0				Shale ...	...	1	3			
Strong white post ...	...	0	4	7			COAL ...	...	0	3			
Dark metal ...	...	0	4	6					0	2	10		
COAL ...	...	0	0	2							11	1	10
Strong grey post ...	...	2	0	0			Grey metal ...	...	0	5	7		
Dark metal ...	...	1	0	0			Grey post ...	...	1	3	0		
Grey metal ...	...	1	0	0			Black stone ...	...	0	1	0		
Brass Thill Seam—							COAL ...	...	0	0	2		
COAL ...	...	0	1	6			Black stone ...	...	0	0	2		
				14	0	2	Harvey Seam—						
Seggar-clay ...	...	0	0	8			COAL ...	...	0	3	1		
Blue metal, with iron-											3	1	0
stone balls ...	...	5	0	1			Strong metal stone...	...	0	4	6		
Hutton Seam—							Strong post ...	...	0	0	9		
COAL ...	...	2	5				Blue stone ...	...	0	1	3		
Cannel stone ...	...	0	8				Blue stone, mixed						
				5	3	10	with pipes ...	...	0	1	0		
Grey post ...	...	2	3	0			Post, with iron balls	...	0	0	8		
COAL ...	...	0	0	6			Blue stone ...	...	0	2	10		
Grey post, with metal							Post ...	...	0	0	6		
partings ...	...	5	0	0			Blue stone ...	...	0	0	6		
Black stone...	...	0	1	0			Blue metal ...	...	3	0	0		
COAL ...	...	0	1	2			Post ...	...	0	1	6		
				7	5	8	Busty Seam—						
Grey post ...	...	0	4	4			COAL ...	...	2	7			
Grey post, with metal							Band ...	...	0	2½			
partings ...	...	2	0	0			COAL ...	...	0	9			
Grey metal ...	...	1	1	6			Band ...	...	0	3½			
COAL ...	...	0	0	6			COAL ...	...	0	11½			
Grey metal ...	...	0	4	6			Band ...	...	0	7			
Grey post ...	...	2	0	0			COAL ...	...	0	7			
Black stone ...	...	2	3	2					0	5	11½		
											6	1	5½
Carried forward	9	2	0	146	4	5	Total ...	...			167	2	8½

No. 2,634.—DELVES.

TOWNSHIP OF CONSETT, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 50' 50", Long. 1° 49' 27".

Account of Strata sunk through in the Delves Pit.

Approximate surface-level 870 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Walling	6	4	2			Brought forward	8	2	11			
Post	0	1	3			Plate ...	...	0	0	5		
Plate	0	0	10			Post ...	...	2	3	8		
Post	1	2	8			Plate ...	...	0	0	10		
Carried forward	8	2	11				Carried forward	11	1	10			

No. 2,634.—DELVES.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	1	10			
Post	0	5	3			
Blue metal and post	0	2	9			
Post	0	5	5			
Blue metal and post	0	1	5			
Post	0	1	6			
Walling	0	4	4			
Plate	0	1	9			
Blue metal	0	3	0			
Soft blue metal ...	0	0	7			
Hard blue metal ...	0	0	11			
Post	1	2	1			
Plate	0	1	1			
Post	1	2	1			
Soft blue metal ...	0	3	2			
<i>Busty Seam—</i>						
COAL	1	9				
Band	0	3				
COAL	2	0				
		0	4	0		
				19	5	2
Seggar-clay	0	4	9			
Blue metal	0	2	9			
Post	3	1	5			
Blue metal and post	0	1	6			
Post	0	3	9			
Black stone	0	0	9			
Carried forward	5	2	11	19	5	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	2	11	19	5	2
Post	3	0	4			
<i>Three-Quarter Seam—</i>						
COAL	0	1	3			
				8	4	6
Black stone... ..	0	0	10			
COAL	0	0	2			
Good clay	0	2	0			
Hard clay, with iron						
balls	0	1	8			
Blue stone	0	0	10			
Post	1	4	10			
Blue stone	0	2	4			
Post	2	0	3			
Blue metal, mixed						
with post	0	1	11			
Black stone	0	1	0			
COAL	0	1	1			
				5	4	11
Black stone	0	0	6			
Post	0	5	3			
Blue metal	0	2	6			
Blue metal, mixed						
with post	0	1	0			
Blue stone	0	4	0			
<i>Brockwell Seam—</i>						
COAL	0	2	0			
				2	3	3
Total				36	5	10

No. 2,635.—DENTON FELL.

TOWNSHIP OF NETHER DENTON, CUMBERLAND.

Sheet 19 of Ordnance Map. Lat. 54° 56' 36", Long. 2° 34' 36".

Account of Strata passed through in a Bore-hole on Denton Fell, 1886.

Approximate surface-level 750 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil	0	1	0				Brought forward	7	1	9	0	3	6
Yellow clay	0	2	6				Hard grey millstone						
				0	3	6	grit	0	1	3			
Strong grey sandy							Grey sandstone ...	0	4	0			
shale	0	1	0				Dark grey sandy shale	2	1	6			
Dark broken lime-							Hard white millstone						
stone	3	3	6				grit	1	5	0			
Grey sandy shale ...	0	5	6				Dark shale, with iron-						
Hard grey millstone							stone balls	1	3	6			
grit	0	3	2				<i>Yellow limestone, with</i>						
Dark shale	0	2	4				mussel shells	0	1	2			
Greysandstone, with							Dark grey sandy						
black joints	0	3	6				shale, with mussel						
Dark grey sandy shale	1	0	9				beds	2	4	4			
Carried forward	7	1	9	0	3	6	Carried forward	16	4	6	0	3	6

No. 2,635.—DENTON FELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	16	4	6	0	3	6	Brought forward	6	2	5	40	4	6
Hard white millstone							Dark grey sandstone,						
grit	1	5	6				with vertical joints	2	1	6			
Hard grey millstone							Dark sandy shale ...	2	0	0			
grit, with sulphur	0	2	6				Blue shale ...	0	3	4			
Hard white millstone							Dark grey whinstone,						
grit	1	4	6				with spar ...	0	0	3			
Hard grey sand-							Blue shale ...	0	0	4			
stone, with mica...	0	3	6				Dark grey whinstone,						
Dark grey sandy shale	1	1	6				with spar ...	0	1	10			
Hard white millstone							Whinstone and shale,						
grit	0	3	0				mixed ...	0	2	0			
Greysandstone, with							Blue sandy shale ...	0	5	2			
shale joints ...	0	3	10				Dark grey sandstone	0	1	7			
Dark grey sandy shale	1	0	0				Grey sandstone, with						
Dark shale, with coal	0	0	6				shale joints ...	1	1	0			
COAL	0	1	3				Blue shale ...	0	3	0			
				25	0	7	Grey sandstone, with						
Grit and shale, mixed	0	0	2				dark joints ...	0	1	6			
Dark shale ...	0	0	2				Broken grey sand-						
Hard grey millstone							stone ...	0	3	6			
grit, with sulphur	0	1	4				Blue shale ...	0	3	0			
Dark shale ...	0	0	8				White sandstone ...	5	2	9			
Hard grey millstone							Hard brown millstone						
grit	0	2	8				grit ...	0	1	3			
Dark grey sandstone	1	3	0				White sandstone ...	0	4	6			
Light shale ...	1	0	6				White sandstone,						
Dark shale and lime-							with coal spots ...	1	5	6			
stone, mixed ...	0	3	5				Blue sandy shale ...	1	0	6			
Dark grey limestone	0	5	9				Hard grey sandstone	1	1	6			
Grey sandstone ...	0	1	9				Sandstone and shale,						
Dark greysandy shale	0	3	3				mixed ...	0	4	0			
Grey sandstone ...	0	2	0				Blue sandy shale ...	1	2	6			
White sandstone ...	1	3	3				Sandstone and shale,						
Greysandstone, with							mixed ...	0	2	8			
dark joints ...	1	0	0				Hard white millstone						
Dark greysandy shale	1	5	0				grit ...	1	3	10			
Broken blue shale...	1	1	6				Sandstone and shale,						
Dark grey limestone,							mixed ...	0	2	5			
with spar ...	0	1	8				White millstone grit	0	4	7			
Blue shale ...	0	1	6				Blue shale ...	0	2	10			
Dark limestone and							COAL ...	0	1	7			
shale, mixed ...	0	5	5								32	4	10
Hard grey millstone							Grey shaly sandstone	1	3	9			
grit	0	4	11				White sandstone ...	2	4	4			
Blue shale ...	0	1	7				Blue sandy shale ...	2	2	0			
Grey sandstone ...	0	1	10				Blue shale, with iron						
Blue shale ...	0	2	7				balls ...	2	2	1			
COAL	0	0	6				Blue shales ...	0	5	0			
				15	0	5	Dark grey whinstone	0	2	6			
Dark grey sandstone,							Dark grey sandstone,						
with coal joints...	1	5	0				with coal joints ...	0	4	6			
Grey sandstone, with							Blue shale ...	0	4	6			
spots of coal ...	0	4	11				White sandstone ...	4	5	6			
Dark greysandy shale	1	0	0				Blue shale ...	0	1	3			
Blue shale ...	0	1	4				Dark sandstone ...	0	2	0			
Grey sandstone, with							Grey millstone grit	0	2	9			
coal joints...	0	5	2				Grey sandstone ...	0	2	0			
Grey sandstone ...	1	4	0				Grey sandstone, full						
							of mica ...	6	0	0			
Carried forward	6	2	5	40	4	6	Carried forward	24	0	2	73	3	4

No. 2,635.—DENTON FELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	24	0	2	73	3	4	Brought forward	51	2	8	73	3	4
White sandstone,							Blue shale, with iron						
with coal joints ...	1	2	0				balls ...	1	1	6			
Grey shaly sandstone	1	2	6				Blue shale, with						
Blue sandy shale ...	0	3	6				mussel fossils ...	1	1	6			
Blue shale, with iron-							Dark grey limestone	2	2	1			
stone balls...	3	2	0				COAL ...	0	0	8			
Hard grey sandstone	1	2	0								56	2	5
Grey shaly sandstone	2	2	0				Blue shale ...	0	5	0			
Blue sandy shale ...	1	3	6				Grey shaly sandstone	2	4	11			
Dark grey whinstone	0	2	6				Blue shale ...	0	0	7			
Dark grey sandstone	0	3	0				White sandstone ...	0	4	3			
Grey shaly sandstone	0	2	6				Blue shale ...	0	0	5			
Blue shale ...	1	5	4				White sandstone ...	1	3	7			
Dark grey limestone	0	0	8				Grey sandstone ...	0	4	6			
Blue shale ...	3	3	0				Little Limestone Seam—						
Hard grey whinstone	0	2	0				COAL ...	0	3	5			
Blue shale, with iron-											7	2	8
stone balls ...	0	0	9				Blue shale ...	0	1	0			
White millstone grit	1	5	6				Grey sandstone ...	0	4	11			
Grey shaly sandstone	2	3	3								0	5	11
Blue shale ...	3	4	6										
Carried forward	51	2	8	73	3	4	Total ...				138	2	4

No. 2,636.—DERWENT.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 53' 0", Long. 1° 47' 4".

Account of Strata sunk through in the Pont Staple, from the Surface on the North Side of the Pont Burn, near Walton's Wicket, to the Top Busty Seam, Derwent Colliery.

Approximate surface-level 402 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	2	0	0				Brought forward				6	1	2
				2	0	0	Strata ...	5	4	10			
Strata, chiefly post...	4	0	0				COAL ...	0	0	3			
Tilley Seam—							Band ...	0	0	4			
							Top Busty Seam—						
COAL ...							COAL ...	0	2	11			
Band ...											6	2	4
COAL ...													
				0	1	2							
				4	1	2							
Carried forward				6	1	2	Total ...				12	3	6

No. 2,637.—DERWENT.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 53' 9", Long. 1° 48' 32".

Account of Strata bored through in the Staple at the William Pit, Derwent Colliery, about 45 yards South-west of the Winding Shaft from the Three-Quarter or Pasture Drift Seam to the Brockwell Seam.

Approximate surface-level 754 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to Three-Quarter Seam				66	4	3	Brought forward	5	2	4	66	4	3
Metal, with post girdles	0	2	11				Light post	0	1	2			
Post, with metal partings	0	4	0				Grey metal	0	1	2			
Strong grey metal	0	2	10				Post, with metal	0	3	3			
Strong brown post	0	3	3				Dark metal	0	1	8			
Grey metal	0	2	3				Light post, with metal partings	0	4	3			
Stroug grey post	0	2	11				Blue metal	1	0	9			
Dark metal	0	4	0				Dark metal	0	0	9			
Brown post, with metal partings	0	3	0				<i>Brockwell Seam—</i>						
Dark metal	0	1	8				COAL	0	2	9			
Whin girdle	0	0	5								9	0	1
Strong grey post	0	2	1				Light seggar-clay	0	2	0			
Grey metal	0	3	0				Dark metal	0	2	0			
Carried forward	5	2	4	66	4	3	COAL	0	0	4			
											0	4	4
							Seggar-clay	0	0	6			
											0	0	6
							Total				76	3	2

No. 2,638.—DERWENT CROOK.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55' 49", Long. 1° 36' 16".

Account of Strata passed through in a Bore-hole from the Thill of the Tyne Low Main Seam in the George Pit, Derwent Crook Colliery.—
Continuation of No. 717.

Approximate surface-level 105 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk and bored formerly				77	5	2	Brought forward	1	2	4	86	2	5
Grey metal stone, with girdles	0	2	7				COAL	0	0	9			
Strong greyish white post	2	0	0								1	3	1
Strong white post and whin	1	5	6				Grey metal and metal stone	1	5	3			
Strong white and grey post	3	2	9				COAL, with sulphur	0	1	3			
Strong metal stone	0	2	6				Strong grey metal stone	0	3	5			
COAL, with sulphur, tender	0	1	11				COAL, with sulphur	0	2	0			
				8	3	3					2	5	11
Dark shivery grey metal, with sulphur girdles near the bottom	1	2	4				Grey metal	0	4	0			
Carried forward	1	2	4	86	2	5	Strong white post	5	1	11			
							Whin and white post	0	1	3			
							Strong white post, with whin girdles	0	5	0			
							Grey metal stone, with post girdles	0	1	6			
							White and grey post	2	0	0			
							Carried forward	9	1	8	90	5	5

No. 2,638.—DERWENT CROOK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	1	8	90	5	5	Brought forward	17	3	11	90	5	5
Blue black metal stone ...	1	4	0				Strong white post...	0	2	6			
Grey post ...	0	4	0				Strong white post, with whin girdles	2	0	8			
Black metal...	0	0	4				COAL ...	0	0	9			
Grey metal stone ...	0	4	0								20	1	10
Dark grey metal, with girdles ...	0	2	6				Grey metal ...	1	1	0			
Grey post, with metal partings ...	0	2	6				Strong white post ...	0	1	6			
Strong white post ...	3	5	7				Grey metal stone ...	1	0	0			
Strong white post and whin ...	0	3	4				Thin white post girdles, with metal partings ...	0	5	10			
											3	2	4
Carried forward	17	3	11	90	5	5	Total ...				114	3	7

No. 2,639.—DERWENTHAUGH.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 57' 44", Long. 1° 39' 56".

Account of Strata passed through in the No. 1 Bore-hole at Derwenthaugh for The Consett Iron Company, Limited. Commenced August 28th, 1900.

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay	0	4	0				Brought forward	22	2	0			
River mud ...	5	4	0				Sand, mixed with coal and water ...	0	0	6			
Hard gravel, with sand and water ...	1	1	4				Hard boulder-clay ...	2	3	0			
Brown clay ...	8	2	8								24	5	6
Brown clay, with a few thin sand partings ...	6	2	0				Soft grey shale ...	0	3	0			
							White post, with water, into ...	1	1	6			
Carried forward	22	2	0								1	4	6
							Total ...				26	4	0

No. 2,640.—DERWENTHAUGH.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 57' 38", Long. 1° 39' 58".

Account of Strata passed through in the No. 4 Bore-hole at Derwenthaugh for The Consett Iron Company, Limited. Commenced January 18th, 1900.

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward	7	2	11			
Yellow clay ...	0	2	3				Brown clay, with sand partings ...	9	2	1			
Mossy peat, with water ...	0	1	9				Boulder-clay ...	2	3	0			
River mud ...	5	2	0								19	2	0
Gravel and sand, with water ...	1	0	11				Grey shale ...	0	3	0			
											0	3	0
Carried forward	7	2	11				Total ...				19	5	0

This hole was dry after the water in the gravel was shut off.

No. 2,641.—DERWENTHAUGH.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 2 of Ordnance Map. Lat. $54^{\circ} 57' 43''$, Long. $1^{\circ} 39' 50''$.

*Account of Strata passed through in the No. 5 Bore-hole at Derwenthaugh for
The Consett Iron Company, Limited. Commenced
March 2nd, 1901.*

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	3	6				Brought forward	21	2	0			
Yellow clay ...	0	3	6				Boulder-clay ...	1	2	0			
River mud ...	4	5	0								22	4	0
Gravel and sand, with water ...	1	5	0				Grey shale ...	0	2	6			
Brown clay, with sand partings ...	13	3	0								0	2	6
Carried forward	21	2	0				Total ...				23	0	6

No water below the gravel.

No. 2,642.—DERWENTHAUGH.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 2 of Ordnance Map. Lat. $54^{\circ} 57' 38''$, Long. $1^{\circ} 39' 51''$.

*Account of Strata passed through in the No. 7 Bore-hole at Derwenthaugh for
The Consett Iron Company, Limited. Commenced
December 27th, 1900.*

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	7	3	4			
Yellow clay ...	0	4	6				Brown clay, with sand partings and water ...	10	0	8			
Mossy peat, with water ...	0	4	0				Boulder-clay ...	3	5	0	21	3	0
River mud ...	3	4	0				Grey shale ...	0	3	6			
Loamy sand... ..	0	3	0								0	3	6
Sand and gravel, with water ...	1	4	4				Total ...				22	0	6
Carried forward	7	3	4										

The water stood at 126 feet from the surface after being shut off in the gravel.

No. 2,643.—DERWENTHAUGH.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 2 of Ordnance Map. Lat. $54^{\circ} 57' 36''$, Long. $1^{\circ} 39' 47''$.

*Account of Strata passed through in the No. 12 Bore-hole at Derwenthaugh for
The Consett Iron Company, Limited. Commenced
February 5th, 1901.*

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	2	0				Brought forward	0	3	3			
Yellow clay ...	0	1	3				Mossy peat, with water ...	1	0	9			
Carried forward	0	3	3				Carried forward	1	4	0			

No. 2,643.—DERWENTHAUGH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	0				Brought forward	18	2	0			
River mud ...	6	0	0				Boulder-clay ...	0	4	1	19	0	1
Gravel, with water...	0	2	4				Grey post ...	0	1	1			
Brown clay, with							Grey shale ...	0	2	0	0	3	1
sand partings ...	9	1	4										
Boulder-clay ...	0	5	10										
Open space ...	0	0	6										
Carried forward	18	2	0				Total ...	19	3	2			

No water below the gravel.

No. 2,644.—DINNINGTON.

TOWNSHIP OF DINNINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. about 55° 2' 32", Long. 1° 38' 50".

Account of Strata passed through in a Bore-hole on Morley Hill Farm, South of Dinnington.

Approximate surface-level 250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	0	0				Brought forward	9	5	10	34	2	2
				1	0	0	High Main Seam—						
Grey post ...	1	1	0				COAL ...	0	2				
Grey metal ...	3	0	6				Grey band...	0	6				
COAL, bad ...	0	3	0				COAL ...	5	6				
				4	4	6				1	0	2	
Grey and white post	4	1	6				Grey metal, with post				11	0	0
Grey metal ...	2	1	0				girdles ...	2	0	0			
Black metal and coal	0	1	0				Grey post ...	3	3	10			
Dark grey metal ...	3	0	0				Grey metal ...	1	0	0			
Grey metal and coal	2	2	0				Grey post ...	1	0	0			
COAL ...	0	2	1				Grey metal ...	2	1	0			
				12	1	7	Grey post, with metal						
Grey metal, with post							partings ...	5	0	0			
girdles ...	3	3	0				Grey Seam—						
Grey and white post	2	2	0				COAL ...	0	4	2			
Black metal and coal	0	0	6								15	3	0
Seggar-clay ...	0	5	0				Grey metal ...	1	4	0			
Grey metal ...	5	4	6				Grey post ...	1	0	0			
Black metal ...	0	1	0				Metal, with post						
Dark grey metal ...	1	2	0				girdles ...	3	3	0			
COAL ...	0	0	5				COAL ...	0	0	4			
				14	0	5					6	1	4
Grey post, with water	0	4	0				Grey metal, with post						
Dark grey metal ...	1	3	0				girdles ...	2	3	0			
COAL ...	0	0	8				Grey metal ...	2	1	6			
				2	1	8	Yard Seam—						
Dark grey metal ...	0	4	0				COAL ...	0	3	4			
Whin ...	0	0	10								5	1	10
Dark grey metal ...	3	5	0				Thill ...	0	0	6			
Grey metal and post	5	2	0								0	0	6
Carried forward	9	5	10	34	2	2	Total ...	72	2	10			

No. 2,645.—DINNINGTON.

TOWNSHIP OF DINNINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 40", Long. 1° 40' 13".

*Account of Strata passed through in a Bore-hole on Havannah Farm,
September, 1903.*

Approximate surface-level 235 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	3	0	4				Brought forward	17	0	1	5	3	6
Sand	0	1	10				Whin...	0	4	1			
Clay	2	1	4				Blue metal ...	0	2	4			
				5	3	6	COAL	0	0	2			
Seggar-clay ...	0	3	10								18	0	8
Blue metal ...	2	4	8				Post	0	2	10			
Grey metal ...	1	1	0				Grey metal ...	1	1	6			
Blue metal ...	0	3	8				Post	1	1	6			
Iron panel ...	0	0	4				Grey metal ...	2	2	0			
Blue metal ...	1	4	1				Grey post ...	0	5	5			
Seggar-clay ...	0	3	6				Grey metal ...	0	1	11			
Grey metal ...	1	0	9				<i>High Metal Seam—</i>						
Post	0	0	9				COAL	0	5	1			
Grey metal ...	3	1	10								7	2	3
Post	0	1	0				Seggar-clay ...	0	1	1			
Blue metal ...	0	1	10								0	1	1
Post	4	2	10										
Carried forward	17	0	1	5	3	6	Total				31	1	6

No. 2,646.—DINNINGTON.

TOWNSHIP OF MASON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 45", Long. 1° 38' 32".

*Account of Strata sunk through in the West Pit, Dinnington Colliery, about
70 yards South-west of the Augusta Pit, 1901-1902.*

Approximate surface-level 245 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong brown clay ...	5	0	6				Brought forward	0	2	3	11	4	11
				5	0	6	Grey metal, with post						
Grey leafy post ...	1	0	0				girdles - ...	0	5	6			
Soft bluish-grey shale	0	5	0				Post girdles ...	0	4	0			
Strong white post...	0	2	6				Strong post girdles,						
Soft bluish-grey shale	0	0	6				with grey metal						
White post	2	4	9				partings	1	1	0			
Blue metal	0	4	6				Strong white post,						
COAL	0	1	6				with whin boulders	1	0	6			
				6	0	9	White post	1	1	6			
Seggar-clay	0	3	6				Brown whin ...	0	2	0			
COAL	0	0	2				Grey metal, with post						
				0	3	8	girdles	1	1	6			
Seggar-clay	0	2	3				Black stone	0	4	1			
Carried forward	0	2	3	11	4	11	Carried forward	7	4	4	11	4	11

No. 2,646.—DINNINGTON.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
COAL	...	...	...	7	4	4	11	4	11
				0	1	0			
				7 5 4					
Seggar-clay :	very	...	...	1	0	6			
good	...	...	...	1	0	6			
Seggar-clay,	with	...	...	0	3	5			
ironstone	nodules	...	...	0	4	0			
Grey metal	...	...	...	0	4	0			
White post,	with	...	...	0	3	0			
whin	boulders	...	...	1	0	6			
Grey metal	...	...	...	1	0	6			
Strong white	post...	...	...	1	1	0			
Black stone	...	...	...	0	0	8			
Grey metal,	with post	...	...	1	2	0			
girdles	...	...	...	1	2	10			
Dark grey	metal	...	...	0	1	3			
COAL	...	...	...	8	1	2			
Grey thill	...	...	...	0	0	6			
Strong white	post	...	...	0	4	0			
Grey post	...	...	...	0	2	0			
Grey metal,	with post	...	...	1	1	0			
girdles	...	...	...	1	3	6			
Bluish-grey	metal,	...	...	1	1	6			
with	ironstone	...	...	0	1	1			
girdles	...	...	...	5	1	7			
Dark	bluish-grey	...	...	0	4	2			
metal	...	...	...	0	1	1			
COAL	...	...	...	0	4	2			
Dark grey	thill stone	...	...	0	1	1			
Grey post	...	...	...	1	2	3			
Dark	bluish-grey	...	...	1	2	3			
metal,	with iron-	...	...				
stone	nodules	...	...				
<i>High Main Seam—</i>									
COAL	...	...	...	Ft.	In.				
Hard	stone	...	...	0	3				
band	...	...	...	0	2				
COAL	...	...	...	4	9				
				0	5	2			
				3	0	8			
Seggar-clay	...	...	...	0	4	0			
Strong grey	post	...	...	1	4	0			
Grey post,	with metal	...	...	1	1	6			
partings	...	...	...	1	1	5			
Grey leafy	post	...	...	1	5	1			
Grey post,	with white	...	...	0	2	6			
post	girdles	...	...	0	3	1			
Dark grey	post	...	...	2	0	0			
White post,	with whin	...	...	3	4	0			
Strong grey	post	...	...	0	0	8			
Strong white	post,	...	...	1	3	10			
with whin	...	...	...			
Black stone	...	...	...			
Blue metal	...	...	...			
Carried forward				15	0	1	36	1	8

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Grey Seam—</i>	...	...	...	15	0	1	36	1	8
COAL	...	...	...	1	10				
Band	...	...	...	0	4				
COAL	...	...	...	2	8				
				0	4	10			
				15	4	11			
Strong grey	thill	...	...	0	3	5			
Black stone	...	...	...	0	0	6			
Strong grey	post	...	...	0	4	0			
Grey post,	with white	...	...	2	0	2			
post	girdles	...	...	0	2	9			
Strong white	post	...	...	0	5	6			
Grey post	...	...	...	0	5	1			
Lealy post,	with	...	...	0	1	0			
white post	girdles	...	...	5	4	5			
COAL	...	...	...	0	0	3			
Black stone	...	...	...	0	2	9			
Blue metal,	with	...	...	0	0	2			
ironstone	girdles	...	...	0	3	2			
COAL	...	...	...	0	3	10			
Blue metal,	with	...	...	0	0	3			
ironstone	girdles	...	...	0	4	1			
COAL	...	...	...	0	1	8			
Seggar-clay	...	...	...	0	3	4			
Grey post	...	...	...	0	0	4			
COAL	...	...	...	0	5	4			
Seggar-clay	...	...	...	0	0	4			
Grey post,	with post	...	...	0	4	0			
girdles	...	...	...	0	1	8			
Strong white	post	...	...	0	2	0			
Whin	...	...	...	0	4	2			
White post,	with blue	...	...	0	4	6			
metal	girdles	...	...	0	4	2			
Grey metal,	with	...	...	0	5	9			
ironstone	girdles..	...	...	0	2	11			
White post,	with	...	...	4	1	4			
metal	girdles	...	...	0	3	0			
<i>Yard Seam—</i>	...	...	...	0	5	7			
COAL	...	...	...	6	2	0			
Seggar-clay	...	...	...	0	2	0			
Strong grey	stone	...	...	3	1	3			
Grey metal,	with	...	...	4	3	9			
ironstone	balls and	...	...				
post	threads	...	...				
Grey post	...	...	...			
Strong white	post,	...	...				
with whin	and	...	...				
metal	partings	...	...				
Strong white	post,	...	...				
with whin	...	...	...			
Carried forward				15	5	7	64	0	11

No. 2,646.—DINNINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	15	5	7	64	0	11	Brought forward	3	4	3	102	3	1	
Strong white post, mixed with whin and coal pipes ...	3	1	0				COAL ...	0	0	1		3	4	4
Strong grey post, with brassy and grey threads ...	8	3	0				Grey metal ...	2	1	6				
COAL ...	0	0	5				Black stone ...	0	3	0				
				27	4	0	COAL ...	0	0	11		2	5	5
Dark seggar-clay ...	0	2	4				Blue metal ...	1	1	0				
Grey metal ...	0	2	1				Black stone ...	0	1	0				
Strong white post girdles ...	0	0	6				Grey metal, with iron panels ...	1	5	5				
Grey metal ...	0	0	8				Grey post ...	0	1	3				
Strong white post, mixed with whin and metal partings	0	2	10				COAL ...	0	0	2				
Grey metal ...	0	1	1				White post ...	1	0	5				
Strong white post girdles ...	0	0	7				Blue metal ...	0	2	6				
Blue metal, with iron- stone girdles ...	0	2	2				COAL ...	0	1	3		5	1	0
Grey metal, grey post, and brown whin, mixed ...	2	0	5				Seggar-clay ...	0	0	11				
Grey metal, with ironstone girdles...	1	4	4				White post, with partings ...	8	0	0				
Shell bed and black stone ...	0	1	11				Black stone ...	1	4	0				
Grey metal, with post and ironstone girdles ...	0	3	2				Seggar-clay ...	0	4	6				
<i>Low Main Seam—</i>							Post panels ...	0	1	8				
COAL ...	0	5					COAL ...	0	0	5		10	5	6
Black stone ...	0	1					Seggar-clay ...	0	2	0				
Dark grey metal band ...	0	5					White post ...	3	4	0				
COAL ...	3	0					COAL ...	0	0	1				
				0	4	0	Seggar-clay ...	0	0	8				
				7	2	1	Leafy post ...	1	0	0				
Dark blue metal ...	0	1	6				Blue metal ...	1	3	0				
COAL ...	0	0	2				Grey metal, with post panels ...	0	3	0				
Grey post, with white post girdles ...	0	5	4				Strong post panel...	0	0	6				
Seggar-clay ...	0	2	6				Blue metal ...	0	3	0				
COAL ...	0	0	2				<i>Beaumont Seam—</i>							
Leafy post ...	1	3	6				COAL ...	3	3					
COAL ...	0	0	11				Band ...	0	3					
				3	2	1	COAL ...	1	0					
Seggar-clay ...	0	2	6								0	4	6	
Grey metal ...	0	1	6								8	2	9	
Post panels ...	0	0	6				Strong seggar-clay...	0	1	3				
Grey metal, with iron girdles ...	0	4	6				White post, with partings ...	5	0	0				
Blackstone, with iron panels ...	2	1	3				COAL ...	0	0	10		5	2	1
Carried forward	3	4	3	102	3	1	Seggar-clay ...	0	0	5				
							Strong white post ...	3	0	0				
							Whin ...	0	3	0				
							White post, with partings ...	0	5	1				
							COAL ...	0	1	5		4	3	11
							Total ...	143	4	1				

No. 2,647.—DINNINGTON.

TOWNSHIP OF DINNINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. $55^{\circ} 2' 44''$, Long. $1^{\circ} 38' 32''$.

*Account of Strata sunk through in the Hester Pit, near the West Pit,
Dinnington Colliery, from the Beaumont Seam, October, 1904.*

Approximate surface-level 245 feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface					133	0	9			
<i>Beaumont Seam—</i>										
		Ft.	In.							
COAL	...	3	2							
Band	...	0	1							
COAL	...	1	0							
		—			0	4	3			
					0	4	3			
White post,	with									
partings	...	2	4	0						
COAL	...	0	1	6						
		—			2	5	6			
Seggar-clay	...	0	2	6						
Grey post	...	0	4	0						
White post,	with									
partings	...	5	1	8						
COAL	...	0	1	6						
		—			6	3	8			
Dark grey metal	...	1	4	10						
Strong grey metal	...	0	3	0						
White post	...	0	2	0						
COAL	...	0	0	4						
Seggar-clay	...	0	5	2						
<i>Top Busty Seam—</i>										
COAL	...	0	2	0						
		—			3	5	4			
Seggar-clay,	with									
iron balls	...	0	2	6						
Grey post	...	1	4	6						
Blue metal	...	0	3	9						
COAL	...	0	0	3						
Seggar-clay	...	0	2	6						
COAL	...	0	0	3						
Seggar-clay	...	1	5	1						
<i>Bottom Busty Seam—</i>										
		Ft.	In.							
COAL	...	2	0							
Band	...	0	3							
		—			0	2	3			
					5	3	1			
Seggar-clay	...	0	2	5						
Grey post	...	0	4	0						
Grey post, with whin	1	0	0							
White post	...	0	4	0						
White post, with whin	...	0	4	0						
		—								
Carried forward	3	2	5	152	4	7				

					Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward					3	2	5	152	4	7
White post	...	2	4	6						
Grey metal	...	1	0	8						
COAL	...	0	0	10						
		—			7	2	5			
Seggar-clay	...	0	4	0						
Dark grey post, with whin	...	0	3	6						
Dark grey post	...	0	5	0						
Dark grey post, with white post girdles	0	5	6							
Blue metal	...	0	0	6						
COAL	...	0	0	2½						
Seggar-clay	...	0	4	4½						
COAL	...	0	0	2						
		—			3	5	3			
Seggar-clay	...	0	1	0						
Dark grey post, with whin	...	0	4	0						
Blue metal	...	0	3	0						
COAL	...	0	0	2						
Seggar-clay	...	0	2	10						
Grey post	...	0	2	6						
COAL	...	0	0	2						
Seggar-clay	...	0	1	6						
Grey post	...	0	3	4						
Seggar-clay, with iron balls	1	3	2							
<i>Brookwell Seam—</i>										
COAL	...	0	1	4						
		—			4	5	0			
Strong seggar-clay	...	0	2	0						
White post	...	0	5	0						
Blue metal	...	0	1	0						
White post	...	0	3	9						
Leafy post	...	0	3	0						
Grey metal, with post panels	...	0	3	0						
Blue metal	...	0	2	10						
COAL	...	0	0	8						
		—			3	3	3			
Seggar-clay	...	0	1	6						
Grey post	...	0	2	0						
Black stone	...	0	2	2						
COAL	...	0	0	4						
		—			1	0	0			
Total	...	173	2	6						

No. 2,649.—DUNSTON.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 57' 26", Long. 1° 38' 33".

Account of Strata sunk through at Dunston Colliery, 1875.

Approximate surface-level 20 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Strong clay and sand	31	2	10					Brought forward	6	4	6	44	2	6	
				31	2	10		COAL ...	0	0	10				
White post ...	...	1	2	0								6	5	4	
Blue metal ...	...	0	2	0				Fire-clay ...	...	0	2	0			
COAL ...	...	0	0	8				Blue metal ...	...	1	2	0			
					1	4	8	White post ...	...	1	1	0			
Fire-clay ...	...	0	2	2				Grey whin ...	...	0	2	2			
Blue metal ...	...	3	2	8				Post ...	...	2	0	11			
<i>Beaumont Seam—</i>								Grey whin ...	...	0	2	0			
								Post ...	...	0	4	0			
COAL ...	Ft. In.							COAL ...	...	0	0	3			
Band ...	0	7						Fire-clay ...	...	0	2	0			
COAL ...	1	0						<i>Five-Quarter Seam—</i>							
				0	3	9									
					4	2	7	COAL ...	Ft. In.						
Fire-clay ...	...	0	2	0				Band ...	0	6					
White post ...	...	1	0	4				COAL ...	2	2					
Fire-clay ...	...	0	2	8							0	2	10		
White post ...	...	0	5	0									7	1	2
COAL ...	...	0	0	3				Post ...	...	3	1	6			
Fire-clay ...	...	0	3	0				COAL ...	...	0	0	8			
White post, with blue								Blue metal ...	...	1	0	0			
metal girdles ...	...	2	0	2				<i>Three-Quarter Seam—</i>							
Blue metal ...	...	1	1	0				COAL ...	...	0	2	0			
<i>Stone Coal Seam—</i>												4	4	2	
COAL ...	...	0	2	0				Fire-clay ...	...	0	2	0			
					6	4	5	Coarse fire-clay ...	...	1	2	10			
Band ...	...	0	0	2				Blue metal ...	...	5	2	7			
Fire-clay ...	...	0	1	6				<i>Brockwell Seam—</i>							
Post, mixed with blue								COAL ...	...	0	3	6			
metal ...	...	0	4	10								7	4	11	
Blue metal ...	...	1	3	0				Fire-clay ...	...	0	2	0			
White post ...	...	4	1	0				White post ...	...	4	4	0			
												5	0	0	
Carried forward	6	4	6	44	2	6		Total ...	...			76	0	1	

No. 2,650.—DURHAM.

TOWNSHIP OF CROSSGATE, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 46' 55", Long. 1° 35' 51".

Account of Strata bored through in a field near Croften Holme, Crossgate Moor, for the Owners of Elvet Colliery. Commenced March 13th, 1901.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	2	0			Brought forward	1	2	3			
Brown clay ...	...	0	2	3			Grey sand ...	...	0	1	0		
Blue clay ...	...	0	4	0			Brown stony clay...	1	1	9			
Carried forward	1	2	3				Carried forward	2	5	0			

No. 2,650.—DURHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	5	0				Brought forward	20	0	0			
Grey sand ...	0	3	8				Dark grey sand ...	2	1	6			
Sandstone ...	0	0	6				Brown sand, with						
Grey sand ...	1	0	10				water ...	3	0	6			
Yellow sand, with							Dark grey sand, with						
water ...	0	5	0				clay partings ...	0	5	0			
Dark sand ...	0	3	0				Grey clay ...	0	3	0			
Laminated clay ...	0	1	7				Brown clay ...	0	3	6			
Sandstone ramble ...	0	2	5				Coarse sand, with						
Dark grey ramble,							water ...	0	5	0			
with black dant ...	0	5	4				Dark grey sand, with						
Grey sandstone ramble,							stony partings ...	2	1	0			
with coarse sand ...	2	0	8				Grey clay, with sand						
Black dant, with coarse							partings ...	1	5	0			
sand partings ...	1	2	6				Brown clay, into ...	1	2	6			
Brown sand, with thin											33	3	0
dant partings ...	8	5	6										
Carried forward	20	0	0				Total ...				33	3	0

No. 2,651.—DURHAM.

TOWNSHIP OF CROSSGATE, DURHAM.

Sheet 27 of Ordnance Map. Lat. $54^{\circ} 46' 42\frac{1}{2}''$, Long. $1^{\circ} 35' 37''$.

Account of Strata passed through in the No. 2 Bore-hole near Crossgate Moor, Durham, for the Owners of Elvet Colliery. Commenced September 15th, 1901.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	8	4	0			
Yellow clay, with							Brown sand ...	3	3	6			
sand partings ...	0	2	6				Loamy sand ...	0	2	0			
Stony clay ...	2	2	6				Fine brown sand,						
Stony clay, with sand							with water at						
partings ...	1	3	0				121 feet 6 inches ...	9	2	6			
Sand and gravel ...	0	0	9				Grey sand, with						
Hard stony clay ...	0	2	9				water ...	6	0	0			
Grey clay, with sand							Brown clay, with						
partings ...	1	1	0				sand partings ...	1	2	0			
Sand, with water ...	0	3	6				Dark stony clay, with						
Grey clay, with sand							sand partings ...	2	3	0			
partings ...	0	2	0				Dark grey sand, with						
Sand ...	0	2	8				water ...	0	5	6			
Boulder stones ...	0	4	0				Brown sand, with						
Black dant and coal							water, into ...	1	0	6			
Boulder stones ...	0	1	9								33	5	0
Black dant parting..	0	0	2										
Carried forward	8	4	0				Total ...				33	5	0

No. 2,652.—DURHAM.

TOWNSHIP OF CROSSGATE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of Strata passed through in an old Shaft near the Grammar School, Durham.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	0	1	6	14	5	0
Sand	4	0	0				Grey metal, with post						
Wet sand	0	5	0				girdles	2	2	6			
Clay and sand	0	4	6				Grey post, with metal						
				5	4	6	partings	2	5	6			
Broken freestone,							COAL	0	0	10			
mixed with clay ...	1	5	6								5	4	4
Soft freestone ...	0	4	0				Strong grey metal ...	1	0	0			
Strong freestone ...	5	1	0				COAL	0	0	8			
Soft post	0	5	6								1	0	8
<i>Low Main Seam—</i>							Grey post, with metal						
COAL	0	2	6				partings and whin						
				9	0	6	near the top ...	5	4	3			
Black stone	0	0	6				<i>Hutton Seam—</i>						
Seggar-clay	0	1	0				COAL	0	2	11			
											6	1	2
Carried forward	0	1	6	14	5	0	Total				27	5	2

No. 2,653.—DURHAM.

TOWNSHIP OF ELVET, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of Strata bored through near the City of Durham Waterworks by Mr. William Coulson. Commenced January 19th, 1874.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	7	1	1	8	4	10
Sand	1	5	0				Strong grey metal,						
Sand and gravel ...	1	4	6				with post girdles...	1	1	6			
Sand	1	5	6				Mild post	1	5	6			
Sandy clay	0	2	6				Blue metal, with post						
Sand	0	1	10				girdles	3	3	0			
Gravel	0	5	6				COAL	0	2	2			
Gravel, with water...	1	0	6								14	1	3
Sand and gravel ...	0	2	6				Grey metal	1	3	4			
				8	4	10	Strong grey and white						
Freestone girdle ...	0	1	0				post, with water...	1	5	10			
Very coarse post ...	1	3	0				Blue metal	0	1	11			
Soft grey metal ...	1	2	0				COAL	0	0	5			
Soft freestone ...	0	2	1								3	5	6
Soft grey metal, with							Grey metal, with post						
post girdles ...	2	5	6				girdles	3	1	0			
Black metal... ..	0	5	6				Strong blue metal ...	0	5	0			
Carried forward	7	1	1	8	4	10	Carried forward	4	0	0	26	5	7

No. 2,653.—DURHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	0	0	26	5	7	Brought forward	0	4	6	40	5	1
Hard white post ...	0	3	0				Hard white post ...	0	1	0			
Strong blue metal...	0	1	6				Strong grey metal ...	2	5	0			
Hard white post ...	3	1	9				Mild white post ...	0	5	6			
COAL ...	0	0	9				Blue metal ...	0	2	9			
				8	1	0	COAL ...	0	1	3			
Blue metal, with post											5	2	0
girdles ...	5	4	0				Strong grey metal...	1	0	0			
COAL ...	0	0	6				Soft blue metal ...	0	1	0			
				5	4	6	Soft grey metal ...	2	0	6			
Grey metal ...	0	4	6								3	1	6
Carried forward	0	4	6	40	5	1	Total ...				49	2	7

No. 2,654.—DURHAM.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46' 58", Long. 1° 34' 39".

Account of Strata passed through in No. 9 Bore-hole at Crook Hall, between the Carr House Engine and Crook Hall, about 300 yards West of Crook Hall, by Mr. William Coulson, January, 1838.

Approximate surface-level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	4	0				Brought forward	5	0	6	16	3	1
				0	4	0	COAL ...	0	1	0			
Brown and white post,											5	1	6
with metal partings							Grey metal band ...	0	0	3			
and water ...	5	1	8				COAL, mixed with						
Dark grey metal ...	0	0	10				dark metal ...	0	1	3			
							Grey metal, with post						
COAL ...	2	2					girdles ...	2	2	2			
Grey metal ...	2	1					COAL ...	0	1	11			
COAL ...	1	11									2	5	7
				1	0	2	Grey metal, with post						
				6	2	8	girdles ...	1	2	0			
Brown and white post,							COAL ...	0	0	3			
with water ...	0	3	7				Dark grey post ...	1	1	0			
COAL ...	0	4	3				Grey post, mixed with						
				1	1	10	whin and water ...	4	4	0			
Grey metal ...	0	3	0				Dark metal, with thin						
Strong white post,							girdles ...	0	4	0			
with metal partings							Grey metal ...	0	5	10			
and water ...	3	4	7				COAL ...	0	0	8			
White post, with a											8	5	9
mixture of whin ...	2	1	2				Strong grey metal,						
Grey metal ...	1	2	6				inclining to post...	1	1	0			
COAL ...	0	1	4				Strong white post,						
				8	0	7	with metal, whin						
Grey metal band ...	0	0	4				girdles and water	5	5	7			
COAL, mixed with							Black metal...	0	0	4			
grey metal ...	0	0	8				Dark metal, mixed						
Grey metal ...	2	5	0				with coal ...	0	2	7			
Strong white post,							Grey and white post,						
with water ...	2	0	6				with metal partings	4	0	5			
Carried forward	5	0	6	16	3	1	Carried forward	11	3	11	33	3	11

No. 2,654.—DURHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	3	11	33	3	11	Brought forward	0	0	8	64	1	9
Dark grey metal, with water ...	2	3	0				Strong grey post, with open partings and water ...	0	4	4			
Strong white post, mixed with whin and water ...	1	1	0				Grey metal ...	1	0	0			
Grey metal ...	0	1	6				Strong white post, with metal partings and water ...	2	2	5			
Grey post ...	0	3	5				Strong grey metal, with post girdles...	3	0	1			
Grey whin ...	2	3	6				Black whin ...	0	1	7			
Grey metal, with post girdles and water	2	1	7				Grey metal, with post girdles ...	2	3	10			
COAL , tender ...	0	1	0				Strong white post, with metal partings and water ...	3	5	5			
				21	0	11	Grey whin, with water ...	0	3	0			
Dark grey metal, with scares of coal ...	0	4	0				Strong white post, with metal partings and water ...	1	3	8			
Grey and white post, with whin girdles and metal partings	7	1	4				Strong grey metal, with post girdles	4	1	9			
Strong grey metal, with post girdles and water	1	2	11				Strong white post ...	0	3	10			
COAL ...	0	0	8								21	0	7
				9	2	11	Total ...				85	2	4
Brown metal ...	0	0	8										
Carried forward	0	0	8	64	1	9							

No. 2,655.—DURHAM.

TOWNSHIP OF NICHOLAS WARD, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46' 32", Long. 1° 34' 30".

Account of Strata passed through in a Bore-hole situated 17 feet from the centre of the Crypt Doorway and 25 feet from the centre of the Chapel Doorway, opposite the Lodge Gates, Castle Yard, Durham, by Mr. Frank Coulson. Commenced May 19th, 1904.

Approximate surface-level 210 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	2	0	0				Brought forward	2	5	6	5	4	4
Dry loamy sand ...	1	4	0				Light grey shale ...	0	2	4			
COAL ...	0	1	6				COAL ...	0	1	9			
				3	5	6					3	3	7
Broken freestone ...	1	4	4				Seggar-clay ...	0	2	7			
COAL ...	0	0	6				Dark grey shale ...	0	2	10			
				1	4	10	COAL ...	0	0	9			
Dark brown freestone	0	5	6								1	0	2
Grey freestone ...	0	2	2				Dark grey shale ...	0	2	6			
Yellow freestone ...	1	2	0				Grey post, into	0	1	5			
Broken freestone, with water which rose to a level of 47 feet 10 inches from the surface ...	0	1	10								0	3	11
Carried forward	2	5	6	5	4	4	Total ...				11	0	0

No. 2,656.—DURHAM.

TOWNSHIP OF NORTH WARD, DURHAM.

Sheet 27 of Ordnance Map. Lat. _____, Long. _____

Account of Strata bored through in the Yard of the Londonderry Inn, Gilesgate, Durham, for Mr. Henry William Taylor, September 4th, 1900.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	0	1	6				Brought forward	1	4	6			
Brown sandy clay ...	1	0	6				Sand, with water,						
Freestone clay and							into ...	1	5	6			
stones, dry ...	0	2	6								3	4	0
Carried forward	1	4	6				Total ...				3	4	0

No. 2,657.—DURHAM.

TOWNSHIP OF ST. NICHOLAS, DURHAM.

Sheet 27 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in the No. 1 Bore-hole in Messrs. Hopper Brothers' Garden, Claypath, Durham, opposite the Seven Stars Public-house, for Mr. Henry William Taylor, March 10th, 1902.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	5	0				Brought forward	9	0	3			
Sandy clay and gravel	0	4	9				Loamy clay, with						
Dry sand and rubble	2	1	9				sandy parting ...	1	1	0			
Strong clay and rubble,							Sand, with water ...	0	3	9			
with sand partings	1	5	0				Stony clay, with water	0	1	6			
Sand, with water ...	0	4	9								11	0	6
Hard stony clay ...	2	3	0				Total ...				11	0	6
Carried forward	9	0	3										

No. 2,658.—DURHAM.

TOWNSHIP OF ST. NICHOLAS, DURHAM.

Sheet 27 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in the No. 2 Bore-hole in the Yard of the Seven Stars Public-house, Claypath, Durham, March, 1902.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	1	5	3				Brought forward	10	2	0			
Sand and gravel, dry	5	2	3				Sand and silt, with						
Sand and silt, with							water ...	1	2	0			
water ...	1	4	0				Hard stony clay, with						
Hard stony clay ...	1	2	6				water ...	0	1	6			
Carried forward	10	2	0								11	5	6
							Total ...				11	5	6

No. 2,659.—DURHAM.

TOWNSHIP OF ST. NICHOLAS, DURHAM.

Sheet 27 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in the No. 4 Bore-hole in Messrs. Hopper Brothers' Garden, Claypath, Durham, about 50 yards to the North-west of No. 1 Bore-hole, March, 1902.

Approximate surface-level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	3	2	6			
Dry sand and gravel	0	5	6				Stony clay	0	5	0			
Sandy clay, damp ...	0	5	0				Loamy clay and sand,						
Sand and gravel, with							with water, into...	0	4	6			
water	1	2	6								5	0	0
Carried forward	3	2	6				Total				5	0	0

Water standing 16 feet from surface.

No. 2,660.—DURHAM.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46' 39", Long. 1° 34' 51".

Account of Strata bored through at Mr. Robson's Flour-mill, North Road, Durham, by Messrs. William Coulson and Son.

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground	1	0	0				Brought forward	1	5	0			
Gravel	0	1	9				Black sand, with						
Black sand, with a							more water	0	1	9			
little water	0	2	9				Loamy clay, into ...	0	5	9			
Gravel	0	0	6								3	0	6
Carried forward	1	5	0				Total				3	0	6

No. 2,661.—DURHAM MAIN.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 7", Long. 1° 34' 25".

Account of Strata sunk through at Durham Main Colliery.

Approximate surface-level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward	3	1	9	17	5	11
to thill of <i>Hutton</i>							Post	1	3	0			
<i>Seam</i>				17	5	11	Walling	0	4	0			
Walling	3	1	9				Post	6	3	0			
Carried forward	3	1	9	17	5	11	Carried forward	11	5	9	17	5	11

No. 2,661.—DURHAM MAIN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	5	9	17	5	11	Brought forward	1	2	6	52	4	8
Walling ...	...	7	1	6			COAL ...	...	0	0	3		
Sump ...	...	1	0	0							1	2	9
				20	1	3	Seggar-clay ...	...	0	3	6		
Hard grey metal, with iron girdles...	1	0	0				Hard grey metal ...	...	0	3	0		
Dark grey metal, with post and water ...	1	0	6				White post, with metal partings ...	...	0	2	0		
Soft grey stone ...	0	0	6				Dark metal ...	...	0	1	0		
COAL ...	...	0	0	2			White post ...	...	1	0	0		
				2	1	2	Black stone ...	...	0	0	6		
Seggar-clay ...	...	0	1	0			COAL ...	...	0	1	2		
Dark grey post ...	...	1	1	0							2	5	2
Grey metal ...	...	0	4	0			Seggar-clay ...	...	0	1	0		
Black stone ...	...	0	0	9			Hard grey metal, with post girdles ...	...	3	5	0		
Harvey Seam—							Hard white post ...	...	0	3	3		
COAL ...	...	0	1	9			Grey metal ...	...	0	1	1		
				2	2	6	Busty Seam—						
Seggar-clay ...	...	0	2	4									
Grey metal ...	...	1	1	8			COAL ...	Ft. In.					
Grey post, with metal partings ...	...	0	5	0			Band ...	1 1					
COAL ...	...	0	0	2			COAL ...	0 4					
				2	3	2	Band ...	1 1					
Seggar-clay ...	...	0	3	0			COAL ...	1 10					
Grey metal ...	...	0	3	6					1 0 2				
Hard grey post ...	...	0	3	0						5	4	6	
Grey metal ...	...	0	5	2			Hard seggar-clay, with iron balls ...	...	0	4	0		
Hard grey metal, with post girdles ...	...	4	5	6			COAL ...	...	0	0	8		
Black stone ...	...	0	0	4							0	4	8
COAL ...	...	0	0	2			Hard seggar-clay ...	...	0	1	0		
				7	2	8	Hard post girdles, with metal partings ...	...	1	1	5		
Grey metal ...	...	0	1	6							1	2	5
Hard white post ...	...	1	1	0									
Carried forward	1	2	6	52	4	8	Total ...	...	65	0	2		

No. 2,662.—EASINGTON.

TOWNSHIP OF EASINGTON, DURHAM.

Sheet 21 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the North Pit, Easington Colliery.

Approximate surface-level 196·58 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	...	2	3	0½			Brought forward	6	0	3			
Clay, with streaks of sand and boulders	...	0	2	0			Stony clay ...	...	0	4	9		
Yellow sand ...	...	0	0	2½			Gravelly sand ...	...	0	3	9		
Clay, with pockets of loamy sand	...	2	1	3			Clay, with pockets of gravel ...	...	2	2	3		
Clay, mixed with gravel ...	...	0	5	9			Conglomerate sand and limestone ...	...	2	4	7		
											12	3	7
Carried forward	6	0	3				Carried forward				12	3	7

No. 2,662.—EASINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				12	3	7	Brought forward	8	1	9	10	2	4
Limestone and marl	17	1	5				COAL ...	0	1	0			
Broken limestone,											8	2	9
with marl ...	14	0	6				Seggar-clay ...	1	0	0			
Soft yellow lime-							Grey post ...	0	5	9			
stone, with thin							Leafy post ...	1	1	9			
marl partings and							Dark grey metal,						
heavy feeders of							with post girdles...	4	2	6			
water ...	7	3	9				Grey post, with hard						
Soft yellow lime-							blue post partings	2	1	3			
stone, lighter in							Grey metal ...	0	1	6			
colour, closer and							COAL ...	0	1	4			
more stratified ...	6	5	10								10	2	1
Soft yellow lime-							Dark grey seggar-						
stone in irregular							clay ...	0	3	8			
broken beds ...	5	1	0				Light grey seggar-						
Yellow limestone,							clay ...	0	2	10			
with partings of							Grey metal, with						
dark grey lime-							post girdles ...	4	3	11			
stone in places ...	13	3	11½				Leafy post ...	0	4	3			
Dark grey limestone	0	1	0				Black shale ...	0	2	4			
Marl slates ...	0	2	8				COAL ...	0	1	10			
Yellow sand ...	5	3	1½								7	0	10
Grey sand ...	0	4	2				Dark seggar-clay ...	1	0	1			
Yellow sand ...	1	2	2				Grey metal ...	0	2	5			
Blue sand ...	4	1	3				Leafy post ...	1	5	10			
Yellow sand ...	1	1	9				Grey metal, with red						
Brown sand ...	0	2	9				looms ...	0	1	8			
Grey sand ...	3	5	4				White post ...	2	4	1			
				82	4	8	Red post ...	0	2	8			
Hard blue post ...	1	0	11				White post ...	1	0	2			
COAL ...	0	0	0½				Red post ...	0	3	9			
				1	0	11½	Micaceous post	0	0	11			
Grey metal and							Red post ...	0	3	3			
seggar-clay ...	0	2	5½				White post ...	0	5	9			
Hard grey post, with							COAL ...	0	2	6			
red patches in											10	3	1
places ...	0	2	3				Dark seggar-clay ...	0	3	0			
Leafy post, with red							Post ...	0	0	6			
patches in places...	0	2	7				Grey metal ...	1	2	9			
Grey metal and post							COAL ...	0	2	0			
panels ...	0	4	3								2	2	3
COAL ...	0	0	11				Seggar-clay ...	0	1	11			
				2	0	5½	Light grey metal ...	1	0	2			
Seggar-clay ...	1	0	6				Dark grey metal ...	3	0	3			
Grey metal ...	1	2	3				Dark shale ...	0	0	7			
Seggar-clay ...	0	1	4				COAL ...	0	0	2			
COAL ..	0	0	7								4	3	1
				2	4	8	Seggar-clay ...	0	0	5			
Seggar-clay ...	0	2	2				Leafy post ...	1	3	9			
Black shale ...	0	0	9				Grey metal ...	0	4	1			
Grey metal, with							COAL ...	0	0	4			
ironstone bands ...	2	2	5								2	2	7
Black shale ...	0	2	4				Seggar-clay ...	0	0	8			
Seggar-clay, mixed							Grey metal, into ...	1	5	0			
with coal pikes ...	1	0	10								1	5	8
Grey post ...	1	1	2										
Grey metal ...	2	4	1										
Carried forward	8	1	9	10	1	2	Total ...	149	0	8			

NOTE: Sinking still in progress.

No. 2,663.—EASINGTON.

TOWNSHIP OF EASINGTON, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 47' 26", Long. 1° 19' 7".

Account of Strata sunk through in the South Pit, Easington Colliery.

Approximate surface-level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	2	4	1	98	3	7
Clay and stones ...	2	0	0				COAL	0	0	9			
Boulder-clay ...	2	3	0								2	4	10
Sand	1	4	2				Seggar-clay	0	3	5			
Boulder-clay ...	2	2	0				Leafy post	0	5	6			
Sand, gravel and limestone ...	0	4	4				Grey shale, with post panels	1	3	0			
				9	2	6	Black shale	0	1	0			
Limestone and marl	12	3	6				Seggar-clay	1	0	5			
Marl	3	2	0				Leafy post	0	3	1			
Marl and broken limestone ...	11	5	0				Grey metal	2	0	9			
Broken limestone, with marl ...	4	0	8				Black shale	0	1	11			
Broken limestone ...	5	4	10				Grey metal and post panels	1	0	0			
Flaggy limestone ...	1	0	11				COAL	0	1	3			
Soft yellow limestone, with thin marl partings ...	22	1	0								8	2	4
Soft yellow limestone, with light brown limestone panels ...	8	2	0				Seggar-clay	0	4	2			
Marl slates	0	2	8				Grey post	2	3	4			
Yellow sand	0	2	9				Grey metal, with post girdles	3	3	2			
Blue sand	2	2	4				Seggar-clay	0	5	0			
Blue sand, the top 6 feet being mixed with yellow sand...	6	5	1				Grey post	0	3	11			
Brown sand	6	3	9				Grey metal	2	0	0			
				86	0	6	COAL	0	1	0			
Hard grey metal ...	0	0	4								10	2	7
Grey metal	1	2	2				Dark seggar-clay ...	0	5	0			
Grey post	0	1	6				Grey metal	0	5	6			
Grey metal, with red post and metal panels ...	1	1	8				Grey post, with dark panels	0	2	0			
COAL	0	0	11				Grey metal	0	5	0			
				3	0	7	Grey post	0	2	9			
Seggar-clay	2	3	2				Metal	0	4	9			
Black shale	0	0	11				Post	2	2	9			
							Dark shale	0	0	6			
							COAL	0	1	9			
											7	0	0
							Seggar-clay	1	1	5			
							Grey metal	1	2	11			
							Red leafy post ...	0	4	4			
							White post, into ...	2	0	0			
											5	2	8
Carried forward	2	4	1	98	3	7	Total				132	4	0

NOTE: Sinking still in progress.

No. 2,664.—EDEN.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 51' 30", Long. 1° 46' 15".

Account of Strata sunk through in the Eden Air Shaft, Consett Collieries.

Approximate surface-level 650 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and clay ...	1	1	6				Brought forward	0	3	4	19	4	5
				1	1	6	<i>Little Coal Seam—</i>						
Soft shivery stone ...	1	4	5				COAL ...	0	2	2			
Black stone, mixed											0	5	6
with iron balls ...	1	0	3				White post ...	0	2	6			
Grey post ...	0	1	3				Blue panel ...	0	2	1			
Blue stone ...	0	2	4				Iron stone ...	0	0	8			
Grey post ...	0	3	4				Post, mixed with blue						
Black stone ...	0	0	7				metal ...	1	1	8			
White post ...	1	0	4				Grey post ...	0	1	6			
Grey post ...	6	4	8				Blue stone ...	0	2	0			
Iron girdle ...	0	0	7				Post, mixed with blue						
White post ...	1	4	2				metal ...	0	4	2			
Grey post ...	1	1	8				White post ...	0	3	9			
Blue stone ...	2	0	10				Blue stone ...	0	1	1			
<i>Hulton Seam—</i>							Grey post ...	0	1	3			
							Post, mixed with blue						
COAL ...	2	10					metal ...	0	3	6			
Band ...	0	8					White post ...	0	1	0			
COAL ...	3	8					Blue stone and post	0	1	2			
Black stone ...	0	2					Iron stone ...	0	0	9			
COAL ...	1	2					Blue stone ...	0	0	8			
			1	2	6		<i>Main Coal Seam—</i>						
				18	2	11	COAL ...	0	4	2			
Black stone, mixed											6	1	11
with post ... * ...	0	3	4										
Carried forward	0	3	4	19	4	5	Total ...			26	5	10	

No. 2,665.—EDEN.

TOWNSHIP OF BILLINGSIDE, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 51' 47", Long. 1° 47' 35".

Account of Strata sunk through in the Eden Pit.

Approximate surface-level 828 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, clay and strong freestone ...	16	0	4				Brought forward				17	1	1
				16	0	4	Seggar-clay, mixed with coal ...	0	2	0			
<i>Hulton Seam—</i>							Blue metal ...	0	2	0			
	Ft.	In.					<i>Little Coal Seam—</i>						
COAL ...	3	10					COAL ...	0	1	5			
Band ...	0	8									0	5	5
COAL ...	2	3					White post ...	4	0	0			
			1	0	9		Grey metal ...	0	2	0			
				1	0	9							
Carried forward				17	1	1	Carried forward	4	2	0	18	0	6

No. 2,665.—EDEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	0	18	0	6	Brought forward	5	2	8	48	0	11
<i>Main Coal Seam—</i>							Grey metal ...	0	2	1			
COAL ...		Ft.	In.				Metal, with post						
COAL, coarse	0	3	5				girdles ...	0	2	0			
				0	4	1	Post, with whin ...	2	2	2			
							<i>Tilley Seam—</i>						
Blackstone, with coal				5	0	1	COAL ...		Ft.	In.			
partings ...		0	2	0			Band ...	0	1	1			
Posty seggar-clay ...		2	1	0			COAL ...	0	5				
Strong seggar-clay ...		0	3	0						0	1	7	
Strong white post ...		1	3	0							8	4	6
COAL ...		0	0	1			Seggar-clay ...		0	3	2		
Dark grey metal ...		0	4	0			Dark metal ...		0	0	5		
Strong white post,							COAL ...		0	0	6		
with water ...	13	3	9				Metal ...		0	1	4		
Dark grey metal ...	1	5	0				Whin girdle ...		0	0	9		
COAL ...	0	0	7				Dark metal, with iron						
				20	4	5	balls ...		0	3	9		
Strong seggar-clay ...	0	4	6				<i>Hand Coal Seam—</i>						
White post, with whin	0	3	9				COAL ...		Ft.	In.			
Dark metal ...	0	3	1				Band ...	0	4				
COAL ...	0	0	3				COAL ...	0	3				
Metal ...	0	1	7				COAL ...	0	11				
COAL ...	0	0	3							0	1	6	
Dark metal ...	0	0	4								1	5	5
COAL ...	0	0	4				Thill stone ...		0	0	8		
Seggar-clay ...	0	2	6				Dark metal ...		0	2	4		
Strong post ...	0	3	6				Whin ...		0	3	0		
Dark metal, with iron							Strong post, with						
balls ...	0	3	8				whin ...	4	2	10			
<i>No. 1 Seam—</i>							<i>Busty Seam—</i>						
COAL ...	0	2	2				COAL ...		Ft.	In.			
				4	1	11	Band ...	0	7				
Seggar-clay ...	0	3	1				COAL ...	2	5				
Grey metal ...	1	1	0							0	4	11	
COAL ...	0	0	1								6	1	9
Mild post, with whin	0	5	11				Soft black slaty stone	0	1	2			
Metal, with post							Bastard stone ...	0	4	2			
girdles ...	0	2	0				Grey metal, with whin						
Light post ...	0	2	1				balls ...	0	4	6			
Strong grey metal ...	1	1	1				Dark metal ...	0	1	2			
Metal, with post							Post, with partings	1	1	8			
girdles ...	0	5	0								3	0	8
Whin girdle ...	0	0	5										
Carried forward	5	2	8	48	0	11	Total ...				68	1	3

No. 2,666.—EDEN.

TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 45' 38", Long. 1° 18' 53".

Account of Strata passed through in the Diamond Bore-hole at Eden.

Approximate surface-level 238 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface ...	3	0	3				Brought forward	10	4	3			
Pinnel and cobbles*	7	4	0				Gravel ...	0	5	0			
Carried forward	10	4	3				Carried forward	11	3	3			

No. 2,666.—EDEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	3	3				Brought forward	19	2	6	112	0	10
Sand ...	3	0	0				<i>Five-Quarter Seam—</i>						
Sand and gravel ...	2	5	0										
Dark brown pinnel* ...	1	0	0				COAL ...	1	8				
				18	2	3	Fire-clay, with						
Yellow limestone ...	52	4	0				bands of						
Grey limestone ...	16	1	0				foul coal ...	0	6				
Dark limestone, with							COAL ...	3	4				
fire-clay joint at										0	5	6	
bottom ...	1	1	0				Fire-clay ...			0	0	8	
Grey sand ...	1	4	0				Dark shale, with small						
				71	4	0	veins of coal ...			0	0	2	
White sandstone ...	13	1	0				Soft fire-clay ...			1	1	2	
Fire-clay ...	1	1	0				Grey sandy shale ...			0	5	5	
Purple shale ...	1	1	0				Fire-clay, with small						
Grey sandstone ...	0	1	0				veins of coal ...			0	0	3	
COAL ...	0	1	0				Grey sandy shale ...			0	1	4	
				15	5	0	Fire-clay, with small						
Black shale ...	0	0	6				veins of coal ...			0	1	0	
Grey sandy shale,							Black shale ...			0	1	6	
with balls of iron-							COAL ...			0	0	3	
stone ...	0	2	0								2	5	9
Grey sandy shale ...	1	2	11				Fire-clay ...			0	3	3	
Grey sandy shale,							Fire-clay, with hard						
with black streaks							ironstone balls ...			1	0	9	
Grey shale, with soft							Fire-clay ...			1	2	0	
joints ...	1	3	0				Grey limestone, with						
Grey shale ...	1	2	4				spar joints ...			0	0	10	
COAL ...	0	0	4				Fire-clay ...			0	1	9	
				6	1	7	Grey sandy shale ...			2	1	5	
Dark blue shale ...	0	1	0				Dark grey sandstone			2	1	9	
Dark blue shale, with							Dark grey sandy shale			0	2	0	
sandstone girdles	0	3	10				<i>Main Coal Seam—</i>						
White sandstone ...	0	1	3				COAL ...			0	3	4	
Dark blue shale, with											8	5	1
sandstone girdles	0	1	6				Fire-clay ...			0	0	1	
Dark blue shale ...	0	3	10				Greysandy shale, with						
COAL ...	0	0	1½				ironstone balls ...			5	5	5	
Fire-clay ...	0	1	5½				Grey sandstone ...			1	3	0	
Dark greysandy shale	3	0	4				Grey shale ...			0	0	6	
Grey sandstone ...	0	0	7				Grey sandstone ...			1	5	6	
Dark blue shale, with							COAL ...			0	1	0	
fossils ...	0	1	6								9	3	6
White sandstone ...	1	0	0				Black shale and bas-						
Dark blue shale ...	4	4	4				tard coal ...			0	0	3	
Fire-clay, with joints							Fire-clay ...			0	1	10	
of coal and balls of							Fire-clay, with balls						
ironstone ...	0	4	0				of ironstone ...			0	0	7	
Dark greysandy shale	2	2	4				Dark grey shale ...			0	3	7	
Grey shale ...	0	4	7				Grey sandstone, with						
Dark blue shale ...	0	1	0				black shale girdles			0	1	6	
Grey shale ...	0	0	3				White sandstone ...			2	2	4	
Dark blue shale ...	0	2	8				Whitesandstone, with						
Grey sandy shale ...	2	4	1				veins of coal ...			0	3	4	
Dark blue shale ...	0	1	7				COAL ...			0	0	7	
Grey shale ...	0	0	11								4	2	0
COAL ...	0	0	0½				Fire-clay, with balls						
Grey shale, with							of ironstone ...			0	3	0	
fossils ...	0	3	3½				Grey sandy shale ...			6	3	2	
							Dark greysandy shale			3	2	7	
Carried forward	19	2	6	112	0	10	Carried forward	10	2	9	158	1	2

No. 2,666.—EDEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.
Brought forward	10	2	9	158	1	2	Brot. forward	1	7	7	4	1 188 2 4
Dark grey shale ...	0	2	0				Fire-clay ...	1	9			
Grey shale ...	0	1	7				COAL ...	3	10			
Fire-clay, with veins of coal ...	0	0	2						1	1	2	
Grey sandy shale ...	0	2	3								8	5 3
Dark greysandy shale	1	4	1				Fire-clay, with iron- stone balls ...	1	1	6		
Grey sandstone ...	1	3	0				Fire-clay ...	0	2	5		
White micaceous sand- stone, with small veins of coal ...	1	3	9				Grey shale ...	0	1	6		
White micaceous sand- stone ...	1	3	10				Fire-clay ...	0	0	4		
Grey micaceous sand- stone ...	1	4	3				COAL ...	0	0	4		
White sandstone ...	2	0	1								2	0 1
White sandstone, with small stones ...	0	0	2				Fire-clay ...	0	1	1		
<i>Low Main Seam—</i>							Grey shale ...	2	0	3		
COAL ...	0	2	11				White sandstone ...	0	2	6		
				22	0	10	Grey sandy shale ...	0	1	0		
Fire-clay ...	0	0	6				White sandstone ...	0	1	5		
Dark grey shale ...	0	0	6				Grey sandy shale ...	0	0	6		
Dark sandy shale ...	0	0	11				White sandstone ...	0	4	5		
COAL ...	0	0	3				Grey sandy shale ...	0	1	4		
				0	2	2	Grey shale ...	0	5	7		
Dark fire-clay, with ironstone balls ...	0	2	1				COAL, foul... ..	0	0	3		
Dark grey shale ...	0	3	10								5	0 4
Grey micaceous sand- stone ...	0	1	6				Fire-clay ...	0	0	6		
Dark grey shale ...	2	3	2				Fire-clay, with iron- stone balls ...	0	2	0		
Fire-clay ...	0	1	6				Grey shale ...	0	4	11		
Dark grey shale ...	0	0	7				White sandstone ...	0	0	9		
Black shale, with fossils ...	0	4	0				Grey shale ...	0	0	4		
COAL ...	0	0	10				White sandstone ...	0	0	11		
				4	5	6	Grey shale ...	0	2	0		
Dark grey shale ...	2	4	0				Black shale ...	0	0	10		
Black shale, with fossils ...	0	0	3				Dark grey shale ...	2	4	9		
COAL ...	0	0	5				Black shale ...	0	3	10		
				2	4	8	Fire-clay ...	0	1	3		
Fire-clay ...	0	0	4				Grey sandy shale ...	2	2	3		
Dark grey shale ...	0	3	4				White sandstone ...	2	2	5		
Dark greysandy shale	0	1	1				White sandstone, with hard stone balls ...	0	0	6		
Grey shale, with sand- stone girdles ...	1	2	1				Grey shale, with hard stone balls ...	0	2	4		
Greysandy shale, with sandstone girdles	1	2	6				Whitesandstone, with coal partings ...	0	4	8		
Dark grey shale ...	1	3	5				White sandstone ...	0	1	3		
Grey shale, with sand- stone girdles ...	0	3	9				Grey sandy shale ...	0	5	0		
White sandstone ...	1	2	6				Fire-clay ...	0	0	3		
Dark grey shale ...	0	3	1				COAL ...	0	0	4		
<i>Hutton Seam—</i>											12	5
							Fire-clay, with iron- stone balls ...	0	1	9		
COAL ...	Ft.	In.					Grey sandy shale ...	2	2	5		
COAL, canal ...	0	2					Grey shale ...	0	1	9		
							White sandstone ...	0	0	9		
Car. forward	1	7	7	4	1 188	2 4	Grey shale ...	0	4	6		
							Fire-clay ...	0	1	6		
							Grey sandy shale ...	1	2	9		
							Greysandy shale, with balls of hard stone	0	1	4		
							Grey sandy shale ...	1	4	10		
							Grey sandstone ...	1	1	6		
							Carried forward	8	5	1 217	1 1	

No. 2,666.—EDEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward	8	5	1	2	17	1	1	Brought forward	25	2	9	2	17	1	1
White sandstone ...	1	5	5					White sandstone ...	0	0	9				
Grey sandstone ...	1	5	5					Fire-clay ...	0	0	9				
White sandstone ...	1	4	7					Grey shale ...	0	1	6				
White sandstone,with								Dark fire-clay ...	0	2	6				
balls of hard stone	1	5	2					Grey shale ...	0	0	9				
White sandstone ...	5	3	5					Dark grey shale	1	2	6				
White sandstone,with								Not drawn ...	0	4	6				
balls of hard stone	3	3	8									28	4	0	
Carried forward	25	2	9	2	17	1	1	Total ...				245	5	1	
* Pinnel is coarse clayey gravel.															

* Pinnel is coarse clayey gravel.

No. 2,667.—EDMONDSLEY.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole to the North of the Pit at East Edmondsley Colliery, February, 1840.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brown soil ...	0	1	0				Brought forward	7	3	6	5	3	0		
Brown stony clay,							<i>Main Coal Seam—</i>								
with water ...	1	0	0					Ft.	In.						
Blue stony clay ...	4	2	0				COAL ...	3	2						
				5	3	0	COAL, hard								
Grey metal and metal							flinty ...	0	4						
stone, with post							COAL, good	2	0						
girdles ...	3	4	0				COAL, splint	0	9						
Grey and white post,										1	0	3			
with brown scares							Grey metal ...			3	2	3	8	3	9
and water ...	2	0	0										3	2	3
Grey metal stone ...	1	5	6												
Carried forward	7	3	6	5	3	0	Total ...				17	3	0		

No. 2,668.—EDMONDSLEY.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 7", Long. 1° 39' 18".

Account of Strata passed through at East Edmondsley Colliery in a Bore-hole from the bottom of the Hutton Seam.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey post ...	1	1	0				Brought forward	2	4	0			
Black metal, with post							Grey post ...	0	5	6			
girdles ...	0	3	3				Grey metal stone ...	2	2	10			
Grey metal, with iron-							Black metal, mixed						
stone girdles ...	0	5	9				with coal ...	0	0	5			
Carried forward	2	4	0				Carried forward	6	0	9			

No. 2,668.—EDMONDSLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	0	9				Brought forward				30	3	0
Grey metalstone, with							Grey metal ...	0	3	6			
post girdles ...	0	3	0				Grey whin ...	0	0	9			
Grey post ...	0	4	0				Grey metal stone ...	2	0	10			
White post, mixed with							Grey post, mixed with						
whin ...	2	4	5				whin ...	0	1	0			
COAL , brownish and							Grey metal stone ...	0	4	6			
tender ...	0	1	8				Strong white post ...	0	4	0			
Grey metal, with post							COAL , tender ...	0	1	2			
girdles ...	2	5	6								4	5	9
White gulletty post,							Grey metal ...	0	0	4			
set away the water	13	2	1				Grey metal and white						
Grey metal stone ...	3	2	4				post ...	0	1	6			
				Ft.	In.		Dark grey metal, with						
COAL , strong,							ironstone girdles...	4	0	0			
coarse and							COAL , rather tender						
burns white	2	7					the last 6 inches	0	3	8			
COAL , foul... 0 8											4	5	6
				0	3	3	Grey metal, into ...	0	2	6			
				20	1	2					0	2	6
Carried forward				30	3	0	Total ...				40	4	9

No. 2,669.—EDMONDSLEY.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 23", Long. 1° 38' 59".

Account of Strata sunk through in a Staple from the Maudlin Seam to the Low Main Seam, at Edmondsley Colliery, 1903.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Maudlin Seam—</i>							Brought forward	3	1	5	0	3	6
COAL , good ...	0	3	6				Blue metal ...	0	1	5			
				0	3	6	White post ...	0	0	2			
Black slate ...	0	0	4				Blue metal, with						
Seggar-clay, with post							girdles ...	0	4	9			
bands ...	0	2	11				<i>Low Main Seam—</i>						
Post ...	0	0	2				COAL , good	3	0				
Blue metal ...	0	1	1				COAL , infe-						
White post ...	0	0	6				rior ...	0	6				
Blue metal ...	1	5	5								0	3	6
Iron girdles ...	0	0	5								4	5	3
Blue metal ...	0	2	4										
Iron girdles ...	0	0	3										
Carried forward	3	1	5	0	3	6	Total ...				5	2	9

No. 2,670.—EDMONDSLEY.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 19", Long. 1° 39' 1".

Account of Strata sunk through in a Staple from the Low Main Seam to the Hutton Seam, at Edmondsley Colliery, about 1870.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Low Main Seam—</i>							Brought forward	0	3	3	1	3	3
COAL ...	Ft. In.						Post ...	2	1	3			
COAL, splint	0	6					Blue metal, with iron						
		0	3	6			bands ...	1	0	2			
					0	3	6	Iron girdles...	0	0	4		
Black slate ...		0	0	4			Very hard post girdles	0	0	8			
White post ...		0	2	7			Blue metal ...	0	1	7			
Blue metal ...		0	0	6			<i>Hutton Seam—</i>						
Post ...		0	1	9			COAL, good	Ft. In.					
COAL ...		0	0	7			COAL, infe-	2	10				
					0	5	9	rior ...	0	5			
Seggar-clay ...		0	1	3					0	3	3		
Blue metal ...		0	2	0							4	4	6
Carried forward	0	3	3	1	3	3	Total ...				6	1	9

No. 2,671.—EDMONDSLEY.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 12", Long. 1° 38' 31".

Account of Strata sunk through in a Staple from the Busty Seam to the Brockwell Seam, at Edmondsley Colliery, 300 yards West of the Shaft.

Approximate surface-level 465 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Seggar-clay ...	0	2	6				Brought forward				10	2	8
Strong post ...	5	5	3				Seggar-clay ...	1	0	0			
Blue metal ...	0	4	9				Blue metal ...	0	1	6			
COAL ...	0	1	0				Grey post ...	0	1	3			
				7	1	6	Blue metal ...	0	4	6			
Seggar-clay ...	0	5	0				Post ...	0	0	9			
Strong post ...	1	1	4				Blue metal ...	0	1	6			
Blue metal ...	0	1	0				Grey post ...	0	0	10			
Seggar-clay ...	0	1	6				Strong blue metal...	2	2	5			
Strong grey post ...	0	4	0				<i>Brockwell Seam—</i>						
COAL, danty and							COAL ...	0	1	7			
bad ...	0	0	4								5	2	4
				3	1	2							
Carried forward				10	2	8	Total ...				15	5	0

No. 2,672.—ELDON.

TOWNSHIP OF ELDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 39' 6", Long. 1° 37' 18".

Account of Strata sunk through in the John Henry Pit, South Durham Colliery, Eldon, from the Main Coal Seam to the Hutton Seam, 1898.—
Continuation of No. 770.

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface				52	4	4							
<i>Main Coal Seam—</i>													
COAL, good	5	8											
COAL, splint	1	6											
			1	1	2								
				1	1	2							
Seggar-clay ...	0	5	0										
Grey metal, with iron-													
stone girdles	2	1	0										
COAL and black													
shale ...	0	1	4										
Grey metal ...	5	5	0										
Strong white post ...	1	0	0										
Grey metal ...	7	0	0										
Strong white post ...	10	0	0										
Blue metal, with iron-													
stone girdles	0	4	0										
<i>Low Main Seam—</i>													
COAL ...	0	2	7										
			28	0	11								
Hard post ...	1	0	0										
Strong grey metal,													
with iron girdles...	7	3	0										
COAL ...	0	2	6										
			8	5	6								
Seggar-clay ...	0	2	0										
COAL ...	0	0	6										
Carried forward	0	2	6	90	5	11							
Brought forward	0	2	6	90	5	11							
Seggar-clay ...	0	2	0										
Post, with blue part-													
ings ...	1	0	3										
COAL ...	0	1	1								1	5	10
Blue metal, with post													
girdles ...	3	0	0										
COAL ...	0	0	9								3	0	9
Seggar-clay ...	0	4	0										
COAL ...	0	0	5										
Seggar-clay ...	0	2	0										
Grey metal, with iron-													
stone girdles	6	0	0										
<i>Hutton Seam—</i>													
COAL ...	0	3	5								7	3	10
Seggar-clay ...	1	0	0										
Hard white post ...	2	3	0										
COAL ...	0	0	6								3	3	6
Blue metal, with iron-													
stone girdles	2	0	0										
Hard post, with metal													
girdles	0	3	0								2	3	0
Total ...											109	4	10

No. 2,673.—ELSDON.

TOWNSHIP OF ELSDON, NORTHUMBERLAND.

Sheet 52 of Ordnance Map. Lat. 55° 14' 0", Long. 2° 6' 18".

Account of Strata sunk through in the No. 1 Shaft at Elsdon Colliery, Redesdale.

Approximate surface-level 536 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	6										
Yellow stony clay ...	1	2	0										
Blue stony clay ...	0	5	0										
			2	3	6								
Freestone ...	0	1	6										
Blue plate, fossil-													
iferous ...	4	0	0										
Very dark soft shale													
Hard blue shale ...	1	2	0								1	1	0
Very dark grey stone													
Carried forward	5	3	6	2	3	6							
Brought forward	5	3	6	2	3	6							
COAL ...	0	0	3								5	3	9
Strong blue shale ...	0	3	0										
<i>Elsdon and Fourlaws</i>													
<i>Seam—</i>													
COAL ...	0	4	0										
Total ...											9	2	3

No. 2,674.—ELSDON.

TOWNSHIP OF ELSDON, NORTHUMBERLAND.

Sheet 52 of Ordnance Map. Lat. 55° 14' 5", Long. 2° 7' 6".

Account of Strata sunk through in an Old Pit at Soppit Colliery, near Elsdon, Redesdale.

Approximate surface-level 610 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	9	5	0				Brought forward	0	3	0	14	1	8
				9	5	0	Soft coarse freestone	2	3	0			
Limestone	0	2	0				Strong grey shale ...	0	3	9			
Grey shale	2	0	6				White freestone ...	0	4	0			
Hard freestone ...	1	2	0				White coloured shale	0	5	6			
Grey shale	0	4	0				<i>Elsdon and Fourlaw's</i>						
COAL	0	0	2				<i>Seam—</i>						
				4	2	8	COAL	0	3	10			
Grey shale	0	3	0								5	5	1
Carried forward	0	3	0	14	1	8	Total				20	0	9

No. 2,675.—ELSTOB.

TOWNSHIP OF ELSTOB, DURHAM.

Sheet 49 of Ordnance Map. Lat. 54° 36' 31", Long. 1° 28' 16".

Account of Strata passed through in No. 1 Diamond Bore-hole on the Elstob Estate, for the Earl of Eldon. Commenced May 29th, 1873, and stopped March 4th, 1874.

Approximate surface-level 220 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Lime and sand ...	0	3	0				Brought forward	29	1	6	24	2	6
Sand, clay and gravel	5	1	0				Shaly limestone ...	0	1	0			
Quicksand	4	5	0				Hard limestone ...	3	1	0			
Boulder-clay and stones	3	0	0								32	3	6
Sand	0	2	0				Red sandstone ...	0	5	0			
Quicksand	1	0	0				Red sandstone and shale	0	5	0			
Boulder-clay ...	0	2	0				White sandstone ...	1	2	0			
Sandy clay	0	4	0				Soft dark shale ...	1	0	0			
Quicksand	1	2	0				Sandstone, with spar	0	5	0			
Boulder-clay ...	7	1	6				Soft dark shale ...	0	2	4			
				24	2	6	Sandstone, with spar	0	2	8			
<i>Permian Limestone:—</i>							Soft dark shale ...	0	1	0			
Soft magnesian limestone	22	2	6				Fire-clay	0	1	0			
Hard limestone ...	3	1	0				Hard limestone ...	0	4	0			
Sandstone and limestone	0	4	0				Strong dark shale ...	2	5	0			
Grey limestone ...	0	5	0				Sandstone and shale	1	5	0			
Fire-clay	0	2	0				Hard sandstone ...	0	1	0			
Grey limestone ...	0	1	0				Hard shale, with spar	0	2	0			
Light blue limestone	0	3	0				Strong dark shale ...	0	5	0			
Red shaly limestone	1	1	0				Strong dark shale, full of spar	1	1	0			
Carried forward	29	1	6	24	2	6	Strong shale ...	1	2	0			
							Carried forward	15	1	0	57	0	0

No. 2,675.—ELSTOB.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	15	1	0	57	0	0	Brought forward	16	2	0	77	2	0
Soft shale and fire-clay ...	0	2	0				Sandstone, with bands of shale ...	17	0	0			
Hard red sandstone	1	0	0				Dark shale, with spar	7	0	0			
Soft dark shale and sandstone ...	2	0	0				Light blue limestone	2	4	0			
Soft dark shale ...	0	1	0				White sandstone ...	4	1	0			
Strong sandstone ...	0	3	0				Soft dark shale ...	0	2	0			
Hard purple sandstone ...	1	1	0				COAL , soft ...	0	0	3			
				20	2	0					47	3	3
Mountain Limestone:—							Sandstone, with bands of shale ...	23	1	9			
Soft sandstone, with shale bands ...	9	0	0				Light blue limestone ...	0	1	0			
Hard blue limestone	7	2	0				Hard limestone ...	0	2	10			
											23	5	7
Carried forward	16	2	0	77	2	0	Total ...				148	4	10

For Report on this Bore-hole, see *Trans. Inst. M.E.*, 1890, vol. i., page 368.

No. 2,676.—ELTRINGHAM.

TOWNSHIP OF OVINGTON, NORTHUMBERLAND.

Sheet 95 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole on the North side of the River Tyne, about 300 yards above the Village of Ovingham, for the Eltringham Coal Company, by Messrs. William Coulson and Son. Commenced October 23rd, 1877, and stopped December 8th, 1877.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	4	3	1	15	3	3½
Rough gravel, with water ...	9	0	0				COAL ...	0	0	8			
Sand, with water ...	1	2	0								4	3	9
Freestone gravel ...	0	2	6				Soft grey metal ...	0	1	7			
				10	5	6	Hard white and grey post, with thin metal partings and water ...	2	4	7½			
Very hard bastard post stone...	0	0	8				Very hard white post, with whin balls ...	2	4	0			
Yellow freestone and grey post, with a little grey metal...	0	3	6				Hard white post, with a 6 inches gullet near top and water	1	0	1			
Hard grey post ...	0	4	6				Strong grey metal, with thin post girdles ...	1	4	9			
Soft grey post, with hard girdles and water ...	0	5	3				COAL , soft ...	0	0	4			
Light grey metal, with post girdles	2	0	1								8	3	4½
COAL , cannel, with water ...	0	1	9½				Black stone ...	0	0	3			
				4	3	9½	Light grey metal ...	0	2	7			
Seggar-clay ...	0	4	6				Hard white post, with water, into ...	0	2	4			
Soft grey metal ...	0	1	10								0	5	2
Strong grey post ...	0	2	4				Total ...				29	3	7
Hard white post, with thin partings and water ...	3	0	5										
Carried forward	4	3	1	15	3	3½							

No. 2,677.—ELTRINGHAM.

TOWNSHIP OF ELTRINGHAM, NORTHUMBERLAND.

Sheet 95 of Ordnance Map. Lat. , Long.

Account of Strata bored through from near the bottom of the Shaft at Eltringham Colliery, by Messrs. William Coulson and Son. Commenced December 15th, 1877.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong dark grey metal, with iron-stone balls ...	1	2	9				Brought forward	0	1	7	7	4	9
Light grey metal ...	0	4	11				White and grey post, with metal partings and water ...	2	1	7			
Strong grey metal, with hard balls ...	2	5	2				Hard white post, with whin balls ...	1	1	3			
COAL ...	0	0	4				Mild grey post ...	0	5	6			
				5	1	2	Dark grey metal ...	1	2	7			
Seggar-clay ...	1	2	3				Black metal ...	0	1	9			
Strong grey metal, with post girdles...	1	0	1				COAL , cannel, with water ...	0	1	5			
COAL , tender ...	0	1	3								6	3	8
				2	3	7	Seggar-clay ...	0	1	10			
Seggar-clay ...	0	1	7								0	1	10
Carried forward	0	1	7	7	4	9	Total ...				14	4	3

No. 2,678.—ELTRINGHAM.

TOWNSHIP OF OVINGTON, NORTHUMBERLAND.

Sheet 95 of Ordnance Map. Lat. 54° 57' 51", Long. 1° 52' 15".

Account of Strata passed through in a Bore-hole in Colonel Bigge's Royalty, in the South-east corner of Field on the North side of the River Tyne, and about opposite the East end of Eltringham Colliery Sidings.

Approximate surface-level 50 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	4	3	1	15	3	2½
Rough gravel, with water ...	9	0	0				COAL ...	0	0	8			
Sand, with water ...	1	2	0								4	3	9
Freestone gravel ...	0	2	6				Soft grey metal ...	0	1	7			
				10	5	6	Hard white post, with metal and water...	2	4	7½			
Hard bastard post ...	0	0	8				Hard white post, with whin balls ...	2	4	0			
Yellow freestone and grey post ...	0	3	6				Hard white post, with a 6 inches gullet at top and water ...	1	0	1			
Hard grey post ...	0	4	6				Strong grey metal, with post girdles	1	4	9			
Soft grey post, with hard girdles and water ...	0	5	3				COAL , soft ...	0	0	4			
Light grey metal, with post girdles	2	0	0								8	3	4½
COAL , cannel ...	0	1	9½				Black stone ...	0	0	3			
				4	3	8½	Light grey metal ...	0	2	7			
Seggar-clay ...	0	4	6				Hard white post, with water, into ...	0	2	4			
Soft grey metal ...	0	1	10								0	5	2
Strong grey post ...	0	2	4										
Hard white post, with thin partings and water ...	3	0	5										
Carried forward	4	3	1	15	3	2½	Total ...				29	3	6

No. 2,679.—ELTRINGHAM.

TOWNSHIP OF ELTRINGHAM, NORTHUMBERLAND.

Sheet 95 of Ordnance Map. Lat. 54° 57' 43", Long. 1° 52' 18".

Account of Strata sunk and bored through at Eltringham Colliery, 1884 and 1885.

Approximate surface-level 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Towneley Seam</i> out-							Brought forward	0	2	11	20	2	3
crops about level of							Splint ...	0	0	0	10		
pit.							Seggar-clay ...	0	1	0			
Soil ...	0	1	0				Grey metal, with iron-						
Loamy clay ...	0	4	0				stone girdles ...	1	2	11			
Blue clay ...	0	4	10				Blue metal ...	0	2	0			
Stony blue clay ...	2	1	0				Seggar-clay ...	0	0	9			
				3	4	10	<i>Yard Seam—</i>						
Blue metal ...	1	4	4				COAL ...	1	10				
White post, with							Metal band ...	0	2				
metal partings ...	1	0	6				COAL, with						
Grey metal ...	0	0	4				water ...	0	5				
Supposed <i>Tilley Seam—</i>								0	2	5			
COAL ...	0	2	1	3	1	3					3	0	10
Seggar-clay ...	0	4	9				Seggar-clay ...	0	2	9			
White post girdle ...	0	0	8				Hard post girdle ...	0	1	0			
Grey post ...	0	0	9				Grey post ...	0	4	3			
COAL ...	0	0	11	1	1	1	Grey metal, with post						
Seggar-clay ...	0	1	0				girdles ...	1	1	0			
White and grey post	1	5	8				Dark grey metal ...	2	0	7			
Blue metal ...	0	0	6				COAL, with water...	0	1	0			
COAL ...	0	0	4								4	4	7
Blue metal ...	0	1	8				Seggar-clay, with						
<i>Five-Quarter Seam—</i>							ironstone balls ...	1	0	3			
COAL, splint ...	0	6					Strong grey metal...	0	3	7			
COAL, good ...	2	9					Grey post ...	0	3	2			
				3	0	5	Hard white post ...	1	0	1			
Seggar-clay, with							Grey post ...	0	3	2			
ironstone balls ...	0	4	6				Dark grey metal ...	0	3	11			
Grey metal ...	2	4	1				Ironstone girdle ...	0	0	9			
White post girdle ...	0	0	4				<i>Brockwell Seam—</i>						
Grey metal ...	2	4	1				COAL ...	2	0				
White post girdle ...	0	0	4				COAL, splint ...	0	6				
Blue metal ...	0	1	8					0	2	6			
Grey post ...	0	0	4								4	5	5
Grey metal ...	0	1	4				Seggar-clay ...	0	2	9			
White post ...	1	0	10				Grey metal, with post						
Blue metal ...	0	1	0				girdles ...	1	2	4			
Black metal...	0	0	2				Black metal...	0	0	2			
Blue metal ...	0	2	0				COAL ...	0	1	6			
<i>Six-Quarter Seam—</i>											2	0	9
COAL, good ...	3	5					Strong grey post ...	0	5	3			
COAL, splint ...	0	2					Dark grey metal ...	0	4	1			
COAL, good ...	0	5					Light grey metal,						
				9	0	8	with post girdles	1	0	9			
Seggar-clay ...	0	2	11				COAL ...	0	0	6			
							Seggar-clay ...	0	5	0			
Carried forward	0	2	11	20	2	3	Dark grey metal ...	1	4	2			
							COAL ...	0	1	3			
											5	3	0
							Carried forward				40	4	10

No. 2,679.—ELTRINGHAM.—CONTINUED.

				Fs.	Ft.	In.	Fs.	Ft.	In.					Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward							40	4	10	Brought forward							51	3	8
Seggar-clay ...	...	0	1	6						Soft grey metal ...	0	1	7						
White and grey post	...	4	1	0						Hard white post, with									
Dark grey shale ...	...	1	2	0						metal and water...	2	4	7						
Black shale ...	...	0	2	1						Hard white post, with									
COAL, canal	...	0	1	6						whin balls	...	2	4	0					
							6	2	1	Hard white post, with									
Seggar-clay ...	...	0	1	8						a 6 inches gullet at									
							0	1	8	top and water ...	1	0	1						
										Soft grey metal, with									
							47	2	7	whin girdles	...	1	4	9					
<i>Bored further:—</i>										COAL, soft...	...	0	0	4					
White and grey post,	...	1	0	0													8	3	4
with water	...									Black stone ...	...	0	0	3					
Hard white post,	...	3	0	5						Light grey metal ...	0	2	7						
with water	...	0	0	8						Hard white post, with									
COAL	...						4	1	1	water, into	...	0	2	4					
																	0	5	2
Carried forward							51	3	8	Total ...	...	61	9	2					

No. 2,680.—ELWICK.

TOWNSHIP OF ELWICK, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata sunk through at Elwick, November 24th, 1873.

Approximate surface-level feet above sea (Ordnance datum).

Clay, with boulders	Fs	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
	5	2	0							2	1	0	5	2	0
				5	2	0	COAL	...	...	0	2	0			
Soft pale blue metal	2	0	0										2	3	0
Black metal...	...	0	1	0			Black metal ...	...	...	0	2	0			
													0	2	0
Carried forward	2	1	0	5	2	0				Total ...	...	8	1	0	

No. 2,681.—ELWICK.

TOWNSHIP OF ELWICK, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in the No. 1 Bore-hole at Elwick.

Approximate surface-level feet above sea (Ordinance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	...	...	...	...	...	4	3	0			
									4	3	0
Blue metal	...	...	...	...	...	2	2	0			
Limestone	...	...	...	...	...	0	3	0			
Soft metal, into, when the chisel screw broke, and boring was therefore discontinued	...				...	
									2	5	0
Total	...	...	...	...	...				7	2	0

No. 2,682.—ELWICK.

TOWNSHIP OF ELWICK, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 2 Bore-hole at Elwick.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	5	2	0				Brought forward				8	0	0
				5	2	0	Blue metal ...	1	4	0			
Soft pale blue metal	2	0	0				Beddy sandstone ...	1	2	0			
Black metal...	0	2	0								3	0	0
COAL ...	0	2	0										
				2	4	0							
Carried forward				8	0	0	Total ...				11	0	0

No. 2,683.—ELWICK.

TOWNSHIP OF ELWICK, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 3 Bore-hole at Elwick.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	2	0				Brought forward	9	1	0	1	2	0
				1	2	0	Beddy sandstone, with						
Beddy sandstone ...	5	1	0				metal partings ...	1	1	0			
Red sandstone ...	3	5	0				Limestone ...	0	0	8			
Blue metal ...	0	1	0								10	2	8
Carried forward	9	1	0	1	2	0	Total ...				11	4	8

No. 2,684.—ELWICK.

TOWNSHIP OF ELWICK, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 4 Bore-hole at Elwick.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	2	0				Brought forward	2	1	0	1	2	0
				1	2	0	Blue metal ...	0	2	0			
Blue metal ...	0	3	0				Hard stone ...	0	5	0			
Sandstone bands, with											3	2	0
metal partings ...	1	4	0										
Carried forward	2	1	0	1	2	0	Total ...				4	4	0

NOTE: Hole stopped by getting into a slant gullet.

No. 2,685.—ELWICK.

TOWNSHIP OF ELWICK, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 6 Bore-hole at Elwick.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	...	1	4	0									
				1	4	0	Brought forward	3	3	6	1	4	0
Blue metal	...	0	3	0			Beddy sandstone	...	6	8	0		
Sandstone bands	...	0	4	0			Hard sandstone bands	6	1	0			
Blue metal	...	0	3	0			Blue metal	...	1	0	0		
Hard flint stone	...	1	2	6			Hard sandstone bands	0	3	0			
Blue metal	...	0	3	0							18	3	6
Carried forward	3	3	6	1	4	0	Total	...	20	1	6		

No. 2,686.—ELWICK.

TOWNSHIP OF ELWICK, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 7 Bore-hole at Elwick.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	5	5
					0	
				5	5	0
Limestone	2	3
Blue metal	3	0
					6	
				5	3	6
Total	11	2
					6	

No. 2,687.—ELWICK.

TOWNSHIP OF ELWICK, NORTHUMBERLAND.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 8 Bore-hole at Elwick.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, clay, sand and gravel	5	0
					0	
				5	0	0
Total	5	0
					0	

No. 2,688.—EPPLETON.

TOWNSHIP OF GREAT EPPLETON, DURHAM.

Sheet-21 of Ordnance Map. Lat. 54° 49' 43", Long. 1° 26' 8".

Account of Strata sunk through in the New Winning at Eppleton, 1870.

Approximate surface-level 434 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow limestone ...	1	0	7				Brought forward	60	0	9			
Yellow clay ...	0	0	3				Grey thill stone ...	0	2	7			
Sand ...	23	2	10	24	3	8	Post ...	1	0	3			
Yellow metal ...	0	3	0				Blue metal ...	0	1	6			
Soft brown metal, with water ...	2	5	4				Post, with whin ...	0	2	10			
Soft grey metal ...	2	3	0				Blue metal ...	0	1	2			
Soft dark metal ...	2	4	3				Grey metal ...	0	4	7			
Strong black metal, with ironstone ...	0	1	2				Blue metal ...	1	3	2			
COAL, coarse ...	0	1	4½	9	0	1½	Black stone ...	0	1	10			
Black thill ...	0	2	0				COAL ...	0	4	2	5	4	1
Blue seggar-clay ...	0	2	5				Thill stone ...	0	3	3			
Black thill, with coal pipes ...	0	0	6				Grey post ...	0	2	2			
Dark seggar-clay ...	0	2	2				Grey metal ...	0	2	5			
Brown post ...	2	1	0				White post ...	3	2	8			
Blue metal parting	0	1	10				Blue metal ...	0	0	6			
Brown white post, with water ...	8	3	5				Post ...	1	5	0			
Red post ...	0	0	6				Grey metal, with post girdles ...	0	1	5½			
Soft blue metal, with coal pipes ...	0	3	6				White post ...	0	1	11			
Grey post, with water	1	5	8				COAL ...	0	1	6	7	2	10½
Dark metal ...	1	1	0				White thill ...	0	3	10½			
Grey thill ...	0	3	5				Blue metal ...	0	2	1			
COAL ...	1	0					Black stone ...	0	0	5			
COAL, good 1 2½							Grey metal ...	3	1	8½			
	0	2	2½	16	5	7½	Post, with metal part- ings ...	1	4	6			
Strong grey thill, with water ...	0	0	9				Blue metal ...	0	0	9			
White post, with grey leafy parting ...	1	0	0				White post ...	7	0	6			
Grey post ...	0	1	0				COAL ...	0	0	4	13	2	2
White post, with whin	0	2	0				Thill stone ...	0	2	6			
Strong grey metal, with post girdles	0	5	5				Grey metal ...	0	2	0			
Blue metal, with iron- stone girdles ...	3	4	9				Post, with metal part- ings and a little water ...	1	3	11			
COAL, with 1 inch band ...	0	0	9	6	2	8	Grey metal ...	0	2	0			
White thill ...	0	1	5				White post ...	0	2	1			
Grey post, with water	1	3	6				Black stone ...	2	4	3			
Blue metal ...	1	0	8				COAL ...	0	0	8	5	5	5
Black stone ...	0	0	4				Thill ...	0	2	0			
COAL ...	0	0	9	3	0	8	Grey metal, with post girdles ...	3	1	0			
							Strong white post, with coal pipes ...	7	1	1			
							Grey metal, with post girdles ...	0	5	6			
							Dark grey thready post ...	1	3	1			
							Strong grey metal...	0	4	11			
Carried forward	60	0	9				Carried forward	13	5	7 92	3	3½	

No. 2,688.—EPPLETON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	13	5	7	92	3	3½	Brought forward	4	2	1½	124	4	6½	
Strong grey post ...	1	3	3				Blue metal ...	0	5	0				
Blue metal, with iron-							Grey metal, with iron-							
stone girdles ...	0	3	6				stone ...	0	1	4				
Black stone, with iron-							White post ...	0	2	0				
stone balls ...	0	0	3½				Grey metal, with iron							
Blue metal ...	0	1	7				balls ...	1	1	5				
Three-Quarter Seam—							Main Coal Seam—							
	Ft.	In.					COAL ...	1	0	10				
COAL, good	0	6									8	0	8½	
Band ...	0	6½					Thill ...	0	1	6				
COAL, coarse	1	0½					Post ...	0	1	0				
Band ...	0	2½					Black stone ...	0	1	4				
COAL and							White post ...	0	4	0				
stone ...	2	2½					Grey metal ...	0	2	9				
COAL, coarse	2	5					Blue metal ...	0	5	3				
			1	0	11		Black stone ...	0	0	9				
						17	3	1½	White post ...	0	2	10		
Thill, with coal pipes	0	1	8				Whin ...	0	1	5				
Grey metal ...	1	2	7				Dark grey post	0	0	10				
Thill and seggar-clay	1	0	6				Grey metal ...	0	0	11				
Grey metal, with post							COAL ...	0	0	3½				
girdles ...	0	5	0								3	4	10½	
Strong blue metal ...	0	2	9				Fire-clay ...	0	1	4				
Black stone ...	0	0	6				Grey metal ...	5	0	7				
COAL, coarse	0	1	8				Blue metal ...	1	0	0				
				4	2	8	Black stone ...	0	1	3				
Seggar-clay ...	0	2	4				Maudlin Seam—							
Grey metal, with iron							COAL ...	0	5	1				
balls ...	2	2	5								7	2	3	
Post, with grey metal							Strong grey metal ...	1	3	9				
partings ...	1	2	0				Post, with grey metal							
Grey metal ...	0	2	2				partings ...	1	3	0				
White post ...	1	1	1				Post, with blue metal							
Dark leafy post ...	0	1	6				partings ...	0	5	0				
Five-Quarter Seam—							Grey metal ...	0	0	11				
	Ft.	In.					White leafy post, with							
COAL ...	1	2					whin at bottom ...	2	0	8				
COAL, splint	0	7					Blue metal ...	0	1	10				
			0	1	9		Grey metal, with post							
						6	1	3	girdles ...	0	5	3		
Thill, with coal pipes	0	2	0				Blue metal ...	0	1	4				
Dark seggar-clay ...	0	3	9				Low Main Seam—							
COAL and stone ...	0	1	4				COAL ...	0	4	10				
				1	1	1					8	2	7	
Seggar-clay and grey							Black stone ...	0	1	0				
metal ...	0	5	6				Grey metal ...	0	3	0				
Dark grey post ...	0	3	11				Post, with grey metal							
White post ...	0	4	9				partings ...	2	4	1				
Dark grey post ...	0	2	9				Grey metal, with post							
COAL ...	0	0	2½				girdles ...	0	4	0				
				2	5	1½	Blue metal ...	0	3	0				
Black stone ...	0	0	4				Black stone ...	0	4	4				
Dark blue metal ...	0	1	1				COAL ...	0	0	10				
Grey metal, with post											5	2	3	
girdles ...	0	4	2½				Grey metal ...	0	4	1				
Whin ...	0	1	6				Grey metal, with post							
Grey post ...	0	2	0				girdles ...	1	0	0				
Grey metal, with post							Post ...	1	0	1				
girdles ...	1	4	0				Grey metal, with post							
Grey metal ...	1	1	0				girdles ...	0	4	3				
Carried forward	4	2	1½	124	4	6½	Carried forward	3	2	5	157	5	2½	

No. 2,688.—EPPLETON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	5	157	5	2½	Brought forward	2	3	11	161	5	9
Black metal...	...	0	1	0			Dark grey post ...	...	0	0	7		
							Whin girdles ...	...	0	1	0		
COAL ...	Ft.	In.					Grey metal, with post						
COAL and	1	8½					girdles ...	...	1	2	0		
stone ...	1	5					<i>Hutton Seam—</i>						
			0	3	1½		COAL ...	...	0	4	5		
					4	0	6½				4	5	11
Grey metal ...	...	0	2	0			Thill stone ...	...	0	1	10		
Post ...	...	0	4	0			COAL ...	...	0	1	2		
Grey metal, with post											0	3	0
girdles ...	...	0	4	2			Thill stone ...	...	0	2	6		
Blackstone, with iron							Post, into ...	...	„	„	„	0	2
balls ...	...	0	5	9								2	6
Carried forward	2	3	11	161	5	9	Total ...	...	167	5	2		

No. 2,689.—ESH.

TOWNSHIP OF ESH, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 46' 31", Long. 1° 41' 45".

Account of Strata sunk through at Esh Colliery, 1866.

Approximate surface-level 420 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and yellow clay	0	5	0				Brought forward	2	5	8	15	0	4
Strong blue clay ...	2	0	0				COAL ...	...	0	0	9		
Fine blue clay ...	1	4	0								3	0	5
Strong blue clay ...	1	3	0				Mild grey metal ...	1	2	0			
Fine blue clay, with							Post, with metal						
sand partings ...	2	0	0				partings ...	3	4	0			
Strong blue clay, with							Blue metal, with post						
sand partings ...	2	0	0				girdles ...	...	0	3	4		
Sand and clay ...	1	0	6				<i>Main Coal Seam—</i>						
Strong blue clay ...	3	0	0				COAL ...	...	0	2	11		
Sand, yellow clay											6	0	3
and broken stone	0	5	6				Seggar-clay ...	...	0	1	0		
COAL ...	0	0	4				Grey post ...	...	0	5	0		
				15	0	4					1	0	0
Soft grey metal ...	2	5	8				Total ...	...	25	1	0		
Carried forward	2	5	8	15	0	4							

No. 2,690.—ESHOTT.

TOWNSHIP OF ESHOTT, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in a Bore-hole on the Eshott Estate,
August 21st, 1854.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	2	0				Brought forward	7	2	0			
Sand ...	1	1	0				Post ...	...	5	4	0		
Clay ...	5	5	0				Yellow post ...	...	4	4	3		
				7	2	0	Blue metal ...	...	1	5	6		
Carried forward				7	2	0	Carried forward	12	1	9	7	2	0

No. 2,690.—ESHOTT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	1	9	7	2	0	Brought forward	25	5	3	7	2	0
Grey metal ...	...	0	3	0			COAL , coarse ...	...	0	3	7		
Grey post ...	...	1	0	6							26	2	10
Grey metal ...	...	3	3	0			Metal ...	...	0	0	4		
Grey post ...	...	6	2	0			Post, into ...	...	0	0	2		
Grey metal ...	...	2	1	0							0	0	6
Carried forward	25	5	3	7	2	0	Total ...	...	33	5	4		

No. 2,691.—ESHOTT.

TOWNSHIP OF ESHOTT, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the second Bore-hole in Eshott Heugh Farm, 439 yards to the West of North from the first Bore-hole, December 26th, 1854.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay, with beds of sand and a little water ...	7	0	0				Brought forward	11	1	6	8	0	0
Brown ramble, with water which rose to the surface ...	1	0	0				Grey metal ...	...	3	3	6		
				8	0	0	White post, with water	2	3	0			
Grey metal ...	...	6	0	0			Grey metal, with girdles ...	...	8	1	0		
Grey post, with water	5	1	6				COAL ...	...	0	3	7		
Carried forward	11	1	6	8	0	0					26	0	7
							Grey metal, into ...	...	0	1	0		
											0	1	0
							Total ...	...	34	1	7		

No. 2,692.—ETHERLEY.

TOWNSHIP OF ESCOMB, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 39' 50", Long. 1° 42' 40".

Account of Strata sunk through in the George Pit, Etherley.

Approximate surface-level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ...	...	0	1	0			Brought forward	0	1	4	6	0	8
Strong blue clay, with tumbling stones...	5	2	0				Grey metal stone ...	...	3	1	5		
				5	3	0	Blue metal stone ...	...	0	5	8		
Ramble stone ...	...	0	3	0			Black metal stone ...	...	1	4	4		
COAL , foul ...	...	0	0	8			COAL ...	...	0	4	1		
				0	3	8					6	4	10
Seggar-clay ...	...	0	1	4			Seggar-clay ...	...	0	1	8		
											0	1	8
Carried forward	0	1	4	6	0	8	Total ...	...	13	1	2		

No. 2,693.—ETHERLEY.

TOWNSHIP OF ESCOMB, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 39' 14", Long. 1° 42' 5".

*Account of Strata passed through in the No. 6 Bore-hole, Etherley Dene.
Commenced May 16th, 1870, and stopped March 11th, 1871.*

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil	0	1	6				Brought forward	0	3	8	42	1	8
Blue stony clay ...	11	2	6				Light grey metal ...	0	0	4			
COAL , with water...	0	1	3				Hard white post, with						
				11	5	3	metal partings ...	2	5	8			
White post, with metal							Black metal, mixed						
partings and water	1	4	1				with coal and brass	0	0	8			
Grey metal	0	3	3				Dark grey metal, with						
COAL	0	0	7				post girdles ...	3	0	1			
				2	1	11	COAL	0	0	8			
Grey metal, with post											6	5	1
girdles	0	4	2				Grey metal thill ...	0	1	10			
Hard white post, with							Grey metal	0	4	6			
water	0	3	5				Grey post, with metal						
Grey metal, with post							partings	1	1	9			
girdles	4	2	8				Hard white post ...	1	2	2			
Light grey metal ...	1	2	0				Soft grey metal ...	0	2	10			
Black metal, mixed							COAL	0	0	2			
with coal	0	2	5				Grey metal	0	0	4			
Light grey metal ...	0	2	2				COAL	0	0	5			
White and grey post,											4	2	0
with metal partings	1	2	3				Strong grey post ...	1	2	4			
Grey whin, mixed							Very hard white post	0	2	11			
with post	0	4	2				Soft dark grey or						
Soft black metal ...	0	1	2				blue metal, with						
Mild grey post ...	0	1	4				thin post girdles...	2	2	8			
COAL	0	0	2				Soft light metal,						
				10	1	11	with a 5 inches						
White and grey post,							whin girdle near						
with metal partings	1	0	1				the top	1	2	6			
Grey metal, with post							Soft dark metal, with						
girdles	1	3	9				thin post girdles						
Black metal... ..	0	1	0				mixed with a little						
Light metal, with							coal near the bottom	1	1	1			
hard post girdles	4	4	4				Mild grey post, with						
Grey metal, with post							soft metal partings						
girdles, dark metal							and hard post						
partings and scars							girdles	5	5	5			
of coal	4	3	8				Mild dark grey post,						
Strong grey post, with							with very hard						
soft metal partings	2	1	4				white post panels						
Strong light grey							2 feet thick ...	2	2	9			
metal	1	2	6				Hard white and grey						
Hard grey post ...	0	4	6				post, with thin						
Soft light metal ...	0	4	9				metal partings at						
COAL , with danty							top, and soft post						
partings and much							partings at bottom,						
brass	0	2	8				and coal pipes ...	9	2	3			
				17	4	7	COAL , danty ...	0	0	11			
Dark grey metal thill	0	0	1								24	4	10
Light grey metal ...	0	2	5				Dark metal	0	0	1			
Black metal, with							Brown metal	0	1	1			
scars of coal ...	0	1	2										
Carried forward	0	3	8	42	1	8	Carried forward	0	1	2	78	1	7

No. 2,693.—ETHERLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	2	78	1	7	Brought forward	2	2	6	78	1	7
Brown metal, with coal pipes ...	0	0	9				Dark grey metal, with coal pipes and a foot of grey post at the bottom ...	1	1	0			
Soft grey metal ...	0	1	9				Hard duffy white post, into ...	0	4	10			
Strong light metal, with a green shade, a post girdle near the top and an ironstone ball near the bottom ...	1	4	10								4	2	4
Carried forward	2	2	6	78	1	7	Total ...				82	3	11

No. 2,694.—ETHERLEY.

TOWNSHIP OF ESCOMB, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 39' 9", Long. 1° 42' 3".

Account of Strata passed through in a Bore-hole in Etherley Dene, for Colonel Sadler. Commenced August 26th, 1901.

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	2	3	9½	16	1	9½
Yellow stony clay ...	0	3	0				Dark grey shale, with hard panels ...	2	4	11			
Dark stony clay ...	6	2	6				Light grey shale ...	0	1	7			
Loamy clay ...	1	2	0				Light grey post ...	0	2	0			
Brown stony clay ...	0	4	6				Light grey shale ...	5	5	2			
				9	1	6	Light grey post ...	2	2	9			
Soft grey shale ...	0	3	8				Dark grey post ...	3	0	6			
Grey post ...	0	2	0				Light grey shale, with hard post girdles	1	2	1½			
Grey shale ...	5	4	6				COAL ...	0	1	1¼			
											18	5	11¼
COAL, coarse, with splint bands ...	1	10					Seggar-clay ...	0	3	6¼			
Blackstone and coal threads	0	2					White post, with water	2	5	8			
COAL, coarse	0	1½					Whin stone ...	0	1	4			
				0	2	1½	White post ...	0	0	10			
							Grey shale, with ironstone girdles, into	6	0	11			
Grey seggar-clay ...	0	1	11½								10	0	3¼
Grey post ...	1	4	0				Total ...				45	2	0
Grey post, with thin shale partings and water ...	0	3	10										
Carried forward	2	3	9½	16	1	9½							

No. 2,696.—EVENWOOD.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 36' 51", Long. 1° 50' 40".

Account of Strata exposed in the Oaky Bank Quarry, on the North side of the stream, near Gibbsneese, 1867.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Flaggy sandstone, with shaly partings below ...	1	1	0				Brought forward	0	3	8	3	2	2
Blue shale ...	0	4	0				Sandy shale ...	0	0	6			
Sandy shale ...	0	1	0				Yellow sandstone, irregularly bedded, with many large concretions ...	0	4	0			
Blue shale ...	0	3	0				Sandy micaceous shale, variegated and foliated with worm tracks and ripple marked surface planes ...	0	3	0			
Hard blackish sandstone ...	0	0	6				White greyish yellowish flags of fine grained sandstone, with ripple marked and worm track surfaces ...	1	2	0			
Soft sandy shale ...	0	0	6								3	1	2
Dark grey micaceous sandstone, with anellid markings on surface planes ...	0	3	0										
COAL ...	0	1	2										
				3	2	2							
Hard fine grained silicious sandstone	0	0	6										
Soft sandstone of irregular texture	0	1	2										
Sandstone, with soft ferruginous concretions ...	0	2	0										
Carried forward	0	3	8	3	2	2	Total ...				6	3	4

No. 2,697.—EVENWOOD.

TOWNSHIP OF EVENWOOD AND BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 37' 7", Long. 1° 45' 17".

Account of Strata sunk through in the No. 2 Randolph Pit, Evenwood Colliery, 1893.

Approximate surface-level 547 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Rubbish ...	0	5	0				Brought forward				5	0	0
Soil ...	0	3	6				Hard ramble ...	1	0	0			
Yellow clay ...	0	2	6				Brown post, full of joints ...	0	3	6			
Sand ...	0	1	0				Very mild white post, full of joints ...	2	2	6			
Blue clay, with boulder stones ...	1	0	0				Hard white post, full of joints ...	2	3	0			
Sand and gravel ...	0	2	6				Dark grey leafy post	0	2	0			
Blue clay, with boulder stones ...	0	3	6				Hard white post, full of joints ...	4	1	0			
Soft ramble ...	1	0	0										
				5	0	0							
Carried forward				5	0	0	Carried forward	11	0	0	5	0	0

No. 2,697.—EVENWOOD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	0	0	5	0	6	Brought forward	1	0	6	41	1	3½
Grey leafy post, with metal partings ...	0	3	6				Mild grey metal ...	0	2	6			
COAL ...	0	2	0				Grey post, with iron girdles ...	1	0	0			
				11	5	6	Hard grey post ...	1	2	0			
Seggar-clay ...	0	0	6										
Post girdles, with metal partings ...	0	3	0				COAL ...	0	2				
Dark metal, with iron-stone girdles ...	4	3	0				Band ...	0	1				
Hard metal, with iron-stone girdles ...	0	2	0				COAL ...	0	6				
Mild metal, with iron-stone balls ...	1	3	0							0	0	9	
													3 5 9
COAL ...	1	9					Seggar-clay ...	0	1	0			
Band ...	0	6					Mild white post ...	0	2	0			
COAL ...	0	9					Hard grey post ...	0	1	6			
			0	3	0		Hard grey metal ...	0	2	6			
						7 2 6	Dark leafy post ...	0	4	6			
Dark metal ...	0	4	6				Hard white post, with water ...	1	4	0			
White post girdle ...	0	4	0				Grey post ...	0	0	4			
Blue metal ...	0	0	6				Hard white post ...	0	1	2			
COAL ...	0	0	1½				Blue metal, with iron girdles ...	1	3	6			
				1	3	1½	Very hard blue metal, with iron girdles	1	0	0			
Blue metal ...	0	0	6				Blue metal ...	4	5	0			
White post ...	0	2	6				COAL ...	0	0	3			
Grey metal ...	0	1	0								11	1	9
Hard white post ...	0	1	3				Seggar-clay ...	0	4	0			
Grey metal ...	0	0	4				Dark grey post ...	0	3	0			
Hard white post ...	0	2	3				Hard grey metal, with post girdles ...	0	5	0			
Grey metal, with iron-stone girdles ...	1	2	0				Dark grey post, with white spar ...	1	0	0			
Grey metal, with post girdles ...	1	5	0				Dark grey post ...	1	0	0			
							Grey metal ...	1	0	0			
COAL ...	0	3					Hard white post ...	1	3	0			
Band ...	0	3					Harvey Seam—						
COAL ...	0	6					COAL ...	0	3	0			
			0	1	0						7	0	0
						4 3 10	Hard white post ...	5	0	0			
Seggar-clay ...	0	3	6				Bastard post, with whin ...	0	2	0			
Blue metal ...	1	0	6				Hard white post ...	2	4	0			
Hard grey post ...	0	3	0				COAL ...	0	0	9			
Hard bastard post ...	0	5	0								8	0	9
Mild blue metal ...	2	3	7				Seggar-clay ...	0	2	0			
Hard grey post, with metal partings ...	1	2	6				Grey metal ...	4	1	0			
Blue metal ...	1	3	0				Hard grey post ...	3	2	3			
Hutton Seam—							Busty Seam—						
COAL ...	0	3	9				COAL ...	0	3	2			
				9	0	10					8	2	5
Seggar-clay ...	0	4	4				Seggar-clay ...	0	3	0			
Hard grey post, with partings ...	0	4	10				Grey post ...	1	0	0			
COAL ...	0	0	4				Hard white post ...	0	4	0			
				1	3	6	Grey metal ...	0	3	0			
Seggar-clay, with iron balls ...	0	3	0				COAL ...	0	1	0			
Hard grey metal, with iron balls ...	0	3	6								2	5	0
							Hard grey post, with small metal partings	1	5	0			
Carried forward	1	0	6	41	1	3½	Grey whin ...	0	4	0			
							Carried forward	2	3	0	82	4	11½

No. 2,697.—EVENWOOD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	3	0	82	4	11½	Brought forward	3	0	0	88	1	8½	
Grey post ...	...	0	4	0			Hard white post ...	2	0	6			
Grey metal ...	...	0	5	0			Grey leafy post ...	...	0	2	6		
Ironstone girdle ...	...	0	0	3			Hard grey metal ...	1	0	0			
Hard grey post, with metal partings ...	...	1	2	0			<i>Brockwell Seam—</i>						
COAL ...	...	0	0	6									
					5	2	9							
Hard seggar-clay ...	...	0	5	6			COAL ,cannel	4	0				
Grey post, with small metal partings ...	...	1	3	6			COAL ...	...	5	6			
Hard grey metal ...	...	0	1	6			Band ...	...	0	3			
Grey leafy post ...	...	0	1	6			COAL ...	...	0	6			
											1	4	3	
												8	1	3
Carried forward	3	0	0	88	1	8½	Total ...				96	2	11½	

No. 2,698.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. 55° 0' 0", Long. 2° 6' 27".

Account of Strata sunk through at Fallowfield.

Approximate surface-level 315 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Walling ...	7	1	0				Brought forward	1	0	5	19	1	6
Sandstone ...	1	1	2				Plate ...	0	4	4			
Grey beds, with plate and ironstone ...	4	1	0				Grey beds ...	0	2	4			
Sandstone ...	0	3	0				Hazle ...	2	1	2			
Grey beds, with plate and coal ...	0	3	10				Dark coloured mica- ceous post ...	0	2	9			
				13	4	0	Hazle sandstone ...	5	4	0			
Strong grey beds ...	0	5	0				Strong girdle beds ...	3	5	10			
Sandstone ...	3	1	0				Plate and grey beds	6	1	0			
Grey beds ...	0	3	4				Hazle ...	1	4	0			
Hazle and sandstone	0	3	6				Plate and grey beds	9	3	0			
Grey beds, with plate and coal ...	0	2	8				<i>Little Limestone</i> ...	2	5	0			
				5	3	6	Hazle and grey beds	2	5	0			
Coloured sandstone	1	0	5				<i>Little Limestone Seam—</i>						
Carried forward	1	0	5	19	1	6	COAL ...	0	5	8			
											38	2	6
							Total ...				57	4	0

No. 2,699.—FALSTONE.

TOWNSHIP OF FALSTONE, NORTHUMBERLAND.

Sheet 66 of Ordnance Map. Lat. 55° 8' 23", Long. 2° 29' 50".

Account of Strata exposed in Little Whickhope Burn, near Christy's Walls, North Tyne.

Approximate surface-level 1,020 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Shale ...	0	5	6				Brought forward	4	2	6			
Sandstone ...	1	0	6				COAL ...	0	1	3			
Shale ...	0	5	0								4	3	9
Sandstone ...	0	2	6				Shale ...	2	2	0			
Shale ...	1	1	0				Sandstone ...	0	3	0			
											2	5	0
Carried forward	4	2	6				Total ...				7	2	9

No. 2,700.—FALSTONE.

TOWNSHIP OF FALSTONE, NORTHUMBERLAND.

Sheet 59 of Ordnance Map. Lat. 55° 11' 15", Long. 2° 25' 13".

Account of Strata sunk through at Falstone Burn Head, North Tyne.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.	
Shale ...	...	1	2	0			Brot. forward	2	11	1	5	6			
Hard shale ...	...	0	3	6			Coaly band	0	2						
Plashetts Seam—							COAL ...	1	2							
	Ft.	In.							0	4	3			2	3	9
COAL ...	2	11														
Car. forward	2	11	1	5	6		Total ...						2	3	9	

No. 2,701.—FALSTONE.

TOWNSHIP OF FALSTONE, NORTHUMBERLAND.

Sheet 67 of Ordnance Map. Lat. 55° 9' 0", Long. 2° 28' 0".

Account of Strata sunk through at Hartholes, 2 miles South-west of Stannersburn, North Tyne.

Approximate surface-level 1,015 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandstone	3	1	0			Brought forward			10	5	7	
Coarse shale	6	5	0			Seggar-clay ...	...	0	1	0		
Plashetts Seam—							Sandstone ...	...	1	3	0		
COAL	0	5	7						1	4	0	
				10	5	7							
Carried forward				10	5	7	Total ...			12	3	7	

No. 2,702.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole on the Farnacres Estate.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay ...	2	2	0				Brought forward	4	5	6	2	2	0
				2	2	0	Holed into old work- ings: <i>Hutton Seam</i>	1	2	0			
Brown post ...	...	0	4	0							6	1	6
Strong white post ...	...	3	4	0									
Grey metal ...	...	0	3	6									
Carried forward	4	5	6	2	2	0	Total ...				8	3	6

No. 2,703.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.*Account of Strata passed through in the short Bore-hole in the Wood, Farnacres.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	...	4	0	0			Brought forward	2	2	0	4	0	0
				4	0	0	COAL, soft ...	...	0	4	4		
Strong white post ...	...	2	0	0							3	0	4
Grey metal ...	...	0	2	0			Grey metal ...	...	1	3	0		
											1	3	0
Carried forward	2	2	0	4	0	0	Total ...	...	8	3	4		

No. 2,704.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.*Account of Strata passed through in a Bore-hole 5 yards to the West of the Great Staple, Farnacres Colliery.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft brown gravelly clay ...	...	0	2	0			Brought forward	0	1	0	4	2	0
Leafy clay ...	...	1	4	0			Grey and blue metal, with water ...	...	0	1	6		
Gravelly clay ...	...	0	3	0			COAL, foul... ..	...	0	0	6		
Sand, with a small mixture of gravel	0	2	6								0	3	0
Gravel, with a small mixture of clay ...	...	0	2	0			Black slaty metal, scared with coal...	...	0	0	6		
Ramble or gravel, mixed with clay...	...	1	0	6			COAL ... ..	...	0	4	10		
				4	2	0					0	5	4
White post ...	...	0	1	0			COAL, foul slaty, mixed with metal	...	0	0	10		
							Grey metal, into ...	...	0	0	3		
Carried forward	0	1	0	4	2	0					0	1	1
							Total ...	...	5	5	5		

No. 2,705.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.*Account of Strata passed through in a Bore-hole upon Farnacres Estate, near Lobley Hill, by Mr. William Coulson, August 16th, 1837.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong brown clay ...	...	5	3	6			Brought forward	3	3	6	5	3	6
				5	3	6	Grey metal ...	...	0	1	0		
Soft post ...	...	3	3	6									
Carried forward	3	3	6	5	3	6	Carried forward	3	4	6	5	3	6

No. 2,705.—FARNACRES.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	6	5	3	6	Brought forward	9	3	1	9	5	11
	Ft.	In.					Grey metal, with post						
COAL ...	1	6					girdles and water	10	2	3			
Grey metal ...	0	3					Black stone, mixed						
COAL ...	2	2					with coal ...	0	2	0			
							Grey metal ...	0	4	8			
			0	3	11		Strong white post,						
						4	2	5	with water	1	4	0	
Black stone...			0	0	5				Grey metal, with post				
Grey metal ...	4	0	0				girdles and water	4	0	0			
White post, with metal							Black stone, with						
partings and water	3	0	0				seares of coal	0	4	0			
Grey metal ...	1	0	0				Strong white post	0	5	0			
Open space: <i>Hutton</i>											28	1	0
<i>Seam</i> ...	1	1	3										
Black stone, with													
seares of coal	0	1	5										
Carried forward	9	3	1	9	5	11	Total ...				38	0	11

No. 2,706.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 55", Long. 1° 38' 0".

Account of Strata sunk through in the Staple at the back end of the Wheels Pit, Farnacres Colliery, January 26th, 1842.

Approximate surface-level 30 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay, with a few layers of sand towards the bottom	3	1	3				Brought forward	4	1	4	9	1	0
Strong stony brown clay ...	3	3	0				<i>Low Main Seam—</i>						
Sand and gravel ...	0	1	9				COAL ...	1	6				
				7	0	0	Band ...	0	2				
Grey post, mixed with metal ...	1	1	0				COAL ...	2	0				
<i>Maudlin Seam—</i>								—	0	3	8		
COAL , good	0	5½									4	5	0
Band ...	0	4					Grey metal thill ...	1	0	0			
COAL , coarse	0	2					White post ...	1	0	0			
Band ...	0	1½					Whin girdle ...	0	1	6			
COAL ...	1	3					White post ...	2	4	8			
COAL , coarse	1	5½					<i>Hutton Seam—</i>						
Seggar-clay..	1	0					COAL ...	2	11				
COAL ...	1	2½					Band ...	0	0½				
	—	1	0	0			COAL ...	2	0½				
					2	1	0	Band ...	0	0½			
Light grey metal, with post girdles...	4	1	4				COAL , bot-						
							tom ...	0	10				
Carried forward	4	1	4	9	1	0		—	0	5	10		
											6	0	0
							Total ...	...	20	0	0		

No. 2,707.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Lobley Hill, for Messrs. John Bowes and Partners, Limited. Commenced June 5th, 1899.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	10				Brought forward	2	4	6	3	2	3
Yellow clay	0	2	8				COAL	0	0	8½			
Brown stony clay ...	0	2	6								2	5	2½
Sand and gravel, with							Blue shale	0	4	9½			
water	0	0	9				COAL	0	1	11			
Hard stony clay ...	2	0	6								1	0	8½
				3	2	3	Grey shale	0	2	10			
Black shale	0	3	9				Grey post	0	2	0			
Black shale, with							Grey shale, with post						
white partings ...	0	2	3				girdles	5	1	8			
Grey shale, with post							Holed into goaf ...	0	4	4			
girdles	1	3	6								6	4	10
Black shale	0	1	0										
Carried forward	2	4	6	3	2	3	Total				14	1	0

No. 2,708.—FEATHERSTONE.

TOWNSHIP OF LAMBLEY, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat. , Long.

Account of Strata passed through between the Three-Quarter Seam and the Five-Quarter Seam at Featherstone Colliery.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Three-Quarter Seam—</i>							Brought forward				14	1	0
COAL	0	2	6				Freestone	0	1	7			
				0	2	6	Grey beds	0	2	9			
Seggar-clay	0	3	0				Post	1	4	0			
COAL	0	1	6				Grey metal	0	5	6			
				0	4	6	Blue metal	5	0	9			
Seggar-clay	1	2	0				COAL	0	0	11			
Grey beds	0	2	6								8	3	6
Blue metal	0	1	9				Freestone	4	5	3			
Post	2	0	0				Blue stone	1	5	10			
							Iron band	0	0	2			
COAL	0	5					Blue metal	0	1	6			
Seggar-clay	0	5					<i>Five-Quarter Seam—</i>						
COAL	0	5					COAL	2	4				
				0	1	3	Band	0	4				
				4	1	6	COAL	2	1				
Blue metal	0	3	0								0	4	9
Grey post	1	0	0								7	5	6
Post	4	1	0										
Plate	2	2	3										
<i>High Main Seam—</i>													
COAL	0	4	3										
				8	4	6							
Carried forward				14	1	0	Total				30	4	0

No. 2,709.—FELKINGTON.

TOWNSHIP OF FELKINGTON, NORTHUMBERLAND.

Sheet 6 of Ordnance Map. Lat. _____, Long. _____

Account of Strata sunk through to the Bulman Main Coal Seam at Felkington Colliery.

Approximate surface-level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	13	1	2			
				0	1	0	Metal	0	2	6			
Freestone	9	0	3				Freestone	0	4	6			
Black metal... ..	0	0	11				COAL	0	0	4			
<i>Blackhill Seam—</i>											1	1	4
COAL	2	0					<i>Limestone</i>	0	1	0			
Stone band 0 2							Tills	0	1	6			
COAL	0	8					<i>Limestone</i>	0	0	6			
				0	2	10	Tills	0	2	9			
							<i>Limestone</i>	0	0	4			
				9	4	0	Freestone bands ...	2	3	6			
Soft metal	0	2	0				Black metal	0	1	0			
Tills	0	3	4				<i>Bulman Main Coal</i>						
							<i>Seam—</i>						
COAL	0	10					COAL, roof 1 2½						
Band	0	2½					Chalk stone 0 1						
COAL	1	2					COAL, splint 0 10						
				0	2	2½	COAL, coarse						
				1	1	6½	splint ... 0 9						
Metal	0	0	2				Mid stone ... 0 5						
<i>Limestone</i>	0	1	6				COAL, ground 1						
COAL	0	0	7				Chalk stone 0 1						
				0	2	3	COAL, smithy 0 9						
Metal	0	0	3½						0	5	2½		
Freestone	0	2	5						4	3	9½		
Tills	0	1	10				Metal	0	0	5			
<i>Diamond Coal Seam—</i>											0	0	5
COAL	1	6											
Freestone ...	2	6											
COAL	1	10											
				0	5	10							
				1	4	4½							
Carried forward	13	1	2				Total	19	0	8½			

No. 2,710.—FENHAM.

TOWNSHIP OF FENHAM, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59' 28", Long. 1° 39' 0".

Account of Strata bored through in the Shaft from the Low Main Seam at North Fenham Colliery, July 8th, 1889.

Approximate surface-level 250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface	62	0	0				Brought forward	2	0	0	62	0	0
Sump	0	5	6				COAL	0	0	9			
Black metal... ..	1	0	6								2	0	9
Carried forward	2	0	0	62	0	0	Carried forward	64	0	9			

No. 2,710.—FENHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				64	0	9	Brought forward	30	0	3	64	0	9
Light metal... ..	0	1	0				Strong grey post ...	5	2	9½			
Strong grey post in panels ...	6	2	3				Beaumont Seam—						
Grey metal, with post girdles ...	15	0	0				COAL ...	Ft.	In.				
Strong grey post ...	1	4	0				Band ...	2	6½				
Grey whin ...	0	1	6				COAL ...	2	0				
Grey post ...	0	3	0					0	8				
Dark metal ...	1	0	6					—	0	5	2½		
Very light post ...	0	5	6				Light post ...			0	0	2	
Grey metal, with post girdles ...	4	0	6								0	0	2
Carried forward	30	0	3	64	0	9	Total ...			100	3	2	

No. 2,711.—FENWICK.

TOWNSHIP OF FENWICK, NORTHUMBERLAND.

Sheet 11 of Ordnance Map. Lat. , Long.

Account of Strata in the Wood Green, Fenwick.

Approximate surface-level 100 feet above sea (Ordnance datum).

Soil	...	...	...	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
				1	4	0											
							1	4	0	Brought forward	0	5	6	8	2	3	
Grey freestone	...			1	0	0				Brown freestone	...	0	1	8			
Blue metal	...			1	1	0				Blue freestone tills	...	0	5	0			
Red freestone	...			1	2	0				COAL	...	0	0	3			
Freestone tills	...			0	1	7									2	0	5
Red freestone	...			0	4	0				<i>Limestone:</i>	varies						
Blue freestone tills	...			0	5	6				from 2 to 6 inches		0	0	6			
Blue metal tills	...			1	1	0				Grey metal	...	0	1	0			
COAL	...			0	1	2				Blue stone	...	0	4	0			
							6	4	3	Black tills	...	1	3	0			
White freestone, with										Freestone	...	4	2	0			
black scars	...			0	4	3				Blue stone, full of St.							
White freestone	...			0	1	3				Cuthbert's beads	...	0	3	0			
															7	1	6
Carried forward				0	5	6	8	2	3	Total	...			17	4	2	

No. 2,712.—FERRY HILL.

TOWNSHIP OF FERRY HILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 4 Bore-hole on the Low side of the Reservoir at Ferry Hill Ironworks, in the "Wash" on the North side of the Railway, by Messrs. William Coulson and Son.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft yellow clay ...	0	5	4				Brought forward	1	1	8			
Rough gravel, with water ...	0	2	4				Rough sand, with water ...	0	2	6			
Carried forward	1	1	8				Carried forward	1	4	2			

No. 2,712.—FERRY HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	2				Brought forward				7	2	8
Rough gravel, with water ...	1	0	6				Soft yellow freestone	0	5	9			
Dark brown clay, mixed with coal and metal...	0	4	4				Strong yellow freestone ...	0	1	9			
Grey metal ...	0	0	6				Soft yellow freestone	0	4	1			
Dark brown clay, with freestone and grey metal ...	3	5	2				Soft grey metal ...	0	4	6			
							Strong yellow freestone ...	0	3	0			
											3	1	1
Carried forward				7	2	8	Total ...				10	3	9

No. 2,713.—FERRY HILL.

TOWNSHIP OF FERRY HILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 41' 29", Long. 1° 33' 48".

Account of Strata sunk through in the Dean Pit, Dean and Chapter Colliery, Ferry Hill, 1904.

Approximate surface-level 430 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loamy clay and stones	0	5	6				Brought forward	3	5	0	16	3	5
				0	5	6	Grey metal, with post girdles ...	6	0	0			
Brown shale ...	0	4	6				Strong grey post ...	1	1	4			
Black shale ...	0	1	6				<i>Main Coal Seam—</i>						
Grey metal ...	1	2	8				COAL ...	1	2				
Brown metal ...	0	1	0				Band ...	0	9				
Blue metal ...	4	5	1				COAL ...	3	2				
Black shale ...	0	1	9								0	5	1
Blue metal ...	1	4	0								11	5	5
Black shale ...	0	0	7				Seggar-clay ...	0	4	6			
Blue metal ...	0	1	10				Blue metal ...	1	0	6			
<i>Three-Quarter Seam—</i>							Grey post ...	2	5	0			
COAL ...	0	1	2				White post ...	1	0	0			
				10	0	1	Grey metal, with post girdles ...	1	5	7			
Black shale ...	0	0	7				Soft blue metal ...	4	0	0			
Blue metal ...	2	5	3				Grey post ...	0	1	0			
Whin panel ...	0	0	10										
Blue metal ...	0	0	10				COAL ...	0	5				
White post ...	0	1	7				Seggar-clay ...	0	5				
Blue metal, with post girdles ...	1	1	6				COAL ...	0	11				
<i>Five-Quarter Seam—</i>											0	1	9
COAL ...	0	5	3								12	0	4
				5	3	10	Black stone ...	0	1	8			
Soft seggar-clay ...	0	0	3				Grey metal ...	0	5	3			
Grey metal, with post girdles ...	3	4	4				COAL ...	0	1	7½			
COAL ...	0	0	5								1	2	6½
Carried forward	3	5	0	16	3	5	Carried forward				41	5	8½

No. 2,713.—FERRY HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				41	5	8½	Brought forward				107	2	11
Seggar-clay ...	1	0	0				Seggar-clay ...	2	1	4			
Blue metal ...	0	5	0				Blue metal ...	1	4	3			
COAL ...	0	0	8				Black stone ...	0	5	2			
				1	5	8	COAL ...	0	0	7			
Grey metal, with post											4	5	4
girdles ...	6	2	8½				Blue metal ...	1	3	2			
<i>Low Main Seam—</i>							Grey post, with metal						
COAL ...	0	1	8				girdles ...	4	1	4			
				6	4	4½	Black stone ...	0	2	0			
Seggar-clay ...	0	2	8										
Grey metal, with iron-							COAL ...	1	0				
stone girdles ...	5	4	0				Hard seggar-						
White post, with							clay ...	2	1				
metal girdles ...	2	3	4				COAL ...	1	5				
COAL ...	0	1	6							0	4	6	
				8	5	6					6	5	0
Grey metal, with post							Blue metal ...	5	3	8			
girdles ...	1	0	9				Black band ...	0	0	11			
COAL ...	0	0	9½				<i>Top Busty Seam—</i>						
				1	1	6½	COAL ...	0	2	11			
Soft seggar-clay ...	0	0	8								6	1	6
Hard dark grey post	0	1	5				Very hard seggar-						
Leafy grey post ...	2	5	10				clay ...	0	5	10½			
Grey metal ...	1	4	1½				Grey post ...	0	3	10½			
Black stone ...	0	0	2½				<i>Bottom Busty Seam—</i>						
							COAL ...	0	2	8			
COAL ...	0	4½									2	0	5
Dant ...	0	3					Dant ...	0	0	5			
COAL ...	0	6					Seggar-clay ...	0	1	4			
Band ...	0	3					Leafy white post ...	6	5	6			
COAL ...	0	10					Blue and black shale	1	2	9			
				5	2	5½	COAL ...	0	1	5			
White post ...	0	0	9								8	5	5
Leafy grey metal ...	3	5	0½				Grey post, with iron-						
<i>Hutton Seam—</i>							stone girdles ...	2	5	2			
COAL ...	0	2	2				COAL ...	0	0	11			
				4	1	11½					3	0	1
Grey post ...	2	1	6				Black stone ...	2	3	4			
Grey metal, with post							COAL ...	0	0	4			
girdles ...	1	0	11½								2	3	8
Black stone ...	0	1	7½				Dark grey leafy post	3	0	5			
Hard seggar-clay ...	0	5	5½				Black stone ...	0	2	6			
Leafy blue metal ...	0	4	0				<i>Brockwell Seam—</i>						
Hard grey post ...	3	4	4										
Hard grey post, with							COAL ...	0	6				
patches of whin ...	8	2	4				COAL, splint	0	6				
Blue metal ...	1	0	8				COAL ...	3	10				
Black stone, with coal	1	1	9							0	4	10	
Seggar-clay ...	0	4	6								4	1	9
Grey post ...	8	2	3				Hard seggar-clay,						
Dark grey leafy post	0	4	6				mixed with post...	0	2	0			
Dark blue metal ...	0	3	10				Grey post ...	2	5	9			
<i>Harvey Seam—</i>							Blue metal ...	0	4	8			
COAL ...	0	4	0				Seggar-clay, mixed						
				36	5	8½	with blue metal ...	4	3	10			
											8	4	3
Carried forward				107	2	11	Total ...				155	0	4

No. 2,714.—FINCHALE.

TOWNSHIP OF COCKEN, DURHAM.

Sheet 20 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in a Bore-hole on the North side of the River Wear, near to Finchale Abbey, for the Earl of Durham.
Commenced November 12th, 1873.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	10				Brought forward	5	1	6	2	5	4
Sand	1	0	6				COAL	0	1	0			
				1	1	4					5	2	6
Brown post	0	1	0				Black metal, with						
Grey post	0	5	0				scares of coal ...	0	0	1½			
Soft dark metal ...	0	1	0				Grey metal	0	1	3			
Grey post	0	1	6				Grey metal, with post						
COAL	0	1	6				girdles	0	1	10			
				1	4	0	COAL	0	0	11			
Grey metal	0	3	6								0	4	1½
Grey metal, with post							Grey metal	0	0	9			
girdles	0	4	0				Grey metal, with post						
Grey post, with metal							girdles	0	1	4			
partings	1	0	0				COAL	0	0	5			
White post	0	1	0								0	2	6
Grey post, with metal							Grey metal	0	2	3			
partings	0	2	6				Grey metal, with post						
White post	0	3	3				girdles	0	4	9			
Grey metal	0	2	0				Grey post, with metal						
Grey metal, with post							partings	1	4	8½			
girdles	1	3	3								2	5	8½
Carried forward	5	1	6	2	5	4	Total				12	2	2

No. 2,715.—FISHBURN.

TOWNSHIP OF FISHBURN, DURHAM.

Sheet 36 of Ordnance Map. Lat. 54° 40' 29", Long. 1° 25' 47".

Account of Strata passed through in a Bore-hole at Fishburn, about 1,300 yards South-east of the Village.

Approximate surface-level 325 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Lameatic clay ...	1	4	6				Brought forward				60	1	0
Gravel and sand ...	0	4	6				Soft shale and iron	2	2	0			
Boulder-clay ...	6	3	0				Good fire-clay ...	2	4	0			
Sand	0	2	0				Soft shale	3	0	0			
Boulder-clay ...	1	2	6				Freestone	0	1	0			
Gravel and sand ...	0	2	0				Soft shale	0	2	0			
				11	0	6	Freestone	0	4	0			
Yellow limestone ...	31	2	6				Soft grey shale ...	2	2	0			
Blue limestone ...	3	2	0				Zyphæa	0	0	6			
Bastard fire-clay ...	0	4	0				COAL	0	3	10			
Yellow limestone ...	3	4	0								12	1	4
Blue limestone ...	10	0	0										
				49	0	6	Total				72	2	4
Carried forward				60	1	0							

No. 2,716.—FORD.

TOWNSHIP OF _____, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. _____, Long. _____

*Account of Strata passed through in a Bore-hole at Paunch, Ford Colliery,
near to the Short Lane, by Messrs. John Watson and Partners,
for the use of Mr. Ward, June 4th, 1762.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay	1	1	6				Brought forward	8	5	6	1	1	6
				1	1	6	Grey metal ...	...	0	4	2		
Brown scamy post ...	1	5	6				Grey scamy post ...	...	1	1	0		
Grey scamy post, with coal pipes ...	0	4	0				Whin ...	...	0	5	6		
Brown post ...	0	1	6				Brown post, mixed with whin...	...	1	4	6		
Blue and blackmetal, with coal pipes ...	0	2	0				Grey post ...	...	0	1	6		
Brown scamy post...	0	3	4				Brown post ...	...	0	2	7		
Whin ...	0	0	11				Black metal...	...	0	1	3		
Grey scamy post ...	0	2	3				COAL ...	...	0	0	5		
Blue metal ...	1	0	0								14	2	5
Grey scamy post ...	0	2	3				Grey metal ...	...	0	1	4		
Blue metal ...	3	1	9								0	1	4
Carried forward	8	5	6	1	1	6	Total ...	...	15	5	3		

No. 2,717.—FORD MOSS.

TOWNSHIP OF BROOMBRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in a Bore-hole at Ford Moss, October, 1855.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss ...	1	0	0				Brought forward	4	3	9	10	4	8
Stony clay ...	2	4	0				COAL ...	...	0	0	7		
				3	4	0					4	4	4
Blue metal ...	1	0	6				Grey metal ...	...	1	3	7		
Black metal...	0	1	6				COAL ...	...	0	0	5		
Black metal, mixed with coal ...	0	0	8								1	4	0
Grey metal ...	0	1	0				Grey metal ...	...	2	2	6		
COAL ...	0	1	0				Grey post ...	...	1	1	0		
				1	4	8	Grey metal ...	...	1	3	6		
Black metal, mixed with coal ...	0	0	8				Grey post and metal stone, with small beds of coal ...	...	19	0	4		
Grey metal stone ...	4	2	9				Limestone ...	...	0	2	10		
Hard stone ...	0	2	5										
Grey metal ...	0	1	10				COAL , rather foul ...	...	0	8			
COAL ...	0	0	4				COAL , good..	...	1	7			
				5	2	0	COAL , slaty..	...	0	3			
Grey metal ...	2	0	6				COAL , good..	...	0	10			
Grey post ...	2	0	3								0	3	4
Grey metal ...	0	3	0								25	1	6
Carried forward	4	3	9	10	4	8	Carried forward				42	2	6

No. 2,717.—FORD MOSS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.
Brought forward				42	2	6	Brot. forward	3	10	3	2	3 54 4 10
Metal, with small							Black metal,					
beds of coal ...	0	5	3				mixed with					
Grey metal stone ...	3	2	10				coal ...	0	8			
Grey post, with metal							Dark metal...	1	11			
partings ...	7	5	6				COAL ...	0	9			
COAL ...	0	0	9							1	1	2
				12	2	4						4 3 5
Grey metal ...	2	1	8				Metal post and lime-					
Black and grey metal	1	0	7				stone ...	7	3	2		
	Ft.	In.					Grey post, mixed with					
COAL ...	1	4					whin ...	0	5	0		
Brown metal..	0	2					Blue metal ...	0	0	11		
Limestone ...	0	9					Black metal, mixed					
COAL , foul... 0 4							with coal ...	0	0	8		
Grey metal,							Grey metal ...	2	4	0		
scared with							Grey post ...	0	2	0		
coal ...	0	8					Grey metal stone ...	0	4	0		
COAL ...	0	7								12	1	9
Car. forward	3	10	3	2	3 54	4 10	Total ...			71	4	0

No. 2,718.—FOURSTONES.

TOWNSHIP OF FOURSTONES, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the No. 2 Pit at Fourstones Colliery.

Approximate surface-level 180 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset and soil ...	1	0	0				Brought forward	30	0	5	1	0	0
				1	0	0	Limestone ...	2	2	9			
Brown post ...	4	5	3				COAL and blue						
Blue stone and post	0	1	8				stone ...	0	1	9			
Brown post ...	0	4	8								32	4	11
Blue stone ...	0	0	10				Thill stone ...	0	3	9			
Brown post ...	3	2	1				Scamy white post ...	0	2	5			
Rotten stone ...	0	0	9				White post ...	5	1	11			
Brown post ...	0	4	2				COAL ...	0	3	10			
Blue stone ...	5	2	8								6	5	11
Brown post ...	3	3	8										
Blue stone, with post													
girdles ...	10	4	8										
Carried forward	30	0	5	1	0	0	Total ...				40	4	10

No. 2,719.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 59", Long. 1° 34' 49".

Account of Strata passed through in a Bore-hole from the Busty Bank Seam at Framwellgate Colliery, by Messrs. G. and R. Stott. Commenced July 8th, 1845.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface	80	0	11				Brought forward	11	1	5	81	4	11
<i>Busty Seam</i> —							Dark metal ...	0	0	9			
	Ft.	In.					Supposed <i>Brockwell</i>						
COAL ...	2	2					<i>Seam</i> —						
Band ...	0	2					COAL , slaty ...	0	1	4			
COAL ...	0	5									11	3	6
Band ...	0	3					Grey metal stone ...	5	0	0			
COAL ...	2	10					White post ...	2	0	0			
			0	5	10		Black parting ...	0	0	8			
						0	5	10	Grey post ...	0	2	6	
COAL , foul... ..	0	1	6				Grey metal stone,						
Grey post	0	2	0				with post girdles..	2	1	2			
COAL , foul... ..	0	0	8				Grey post	1	5	0			
				0	4	2	Grey metal stone,						
Grey metal stone ...	6	1	10				with post girdles...	2	3	0			
Black stone, scared							Grey and white post	12	3	0			
with coal and sul-							White metal ...	0	0	2			
phur	0	3	2				COAL	0	1	4			
Grey metal	0	0	4								26	4	10
Grey post	0	0	10				Black stone	0	0	2			
Grey metal stone,							Grey metal	0	0	6			
with girdles ...	3	1	6				Grey metal stone ...	1	1	2			
Grey post	0	3	0				Grey post	0	4	0			
Grey metal stone ...	0	2	9								1	5	10
Carried forward	11	1	5	81	4	11	Total	122	1	1			

No. 2,720.—FRAMWELLGATE.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 47' 58", Long. 1° 36' 0".

Account of Strata sunk through in the Cator House Second Pit, Framwellgate Colliery, 1894.

Approximate surface-level 341 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	2	0				Brought forward	12	4	7			
Sand	1	3	0				Sand and gravel ...	1	2	0			
Clay	1	4	0				Post, with wide gul-						
Sand	1	0	8				lets of sand and						
Clay	1	0	4				gravel ..	1	5	0			
Sand	2	1	0								15	5	7
Gravel, with sand							Mild post ...	0	1	0			
and boulders ...	4	5	7				Grey post ...	0	2	0			
Carried forward	12	4	7				Carried forward	0	3	0	15	5	7

No. 2,720.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	0	15	5	7	Brought forward	6	5	7	26	2	6
Strong white post ...	0	2	0				Soft white post ...	0	2	2			
Blue metal ...	1	2	9				Blue metal ...	0	5	6			
Strong white post ...	7	4	8				COAL ...	0	2	6			
Black stone ...	0	0	7								8	3	9
COAL ...	0	1	11				Coarse fire-clay ...	0	4	0			
				10	2	11	Bored to <i>Hutton</i>						
Fire-clay ...	0	4	4				<i>Seam</i> ...	7	0	6			
Soft grey metal ...	5	2	3								7	4	6
Strong white post ...	0	5	0										
Carried forward	6	5	7	26	2	6	Total ...				42	4	9

No. 2,721.—FRAMWELLGATE.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. $54^{\circ} 47' 59\frac{1}{2}''$, Long. $1^{\circ} 35' 55''$.*Account of Strata sunk and bored through below the Busty Seam in the Cator House Pit, Framwellgate Colliery.*

Approximate surface-level 341 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	0	5	6	10	1	7
Fire-clay ...	2	2	0				Post ...	2	2	10			
Post ...	1	0	0				Blue stone ...	0	1	4			
Blue stone ...	3	5	0				Post ...	2	3	10			
							Blue stone ...	0	4	9			
COAL ...	1	3					Post girdle ...	0	1	6			
Band ...	0	4					Blue stone ...	0	4	3			
COAL ...	0	4					Hard fire-clay ...	0	3	4			
Band ...	0	5					Post, with blue metal						
COAL ...	0	3					girdles ...	2	0	6			
				0	2	7	Blue stone ...	0	3	0			
						7 3 7					11	0	10
Fire-clay ...	0	5	1										
Blue stone, with post											21	2	5
girdles ...	1	4	9				<i>Bored further:—</i>						
COAL ...	0	0	2				Blue stone, mixed						
						2 4 0	with post panels...	7	3	0			
Fire-clay ...	0	5	6								7	3	0
Carried forward	0	5	6	10	1	7	Total ...				28	5	5

No. 2,722.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 27 of Ordnance Map. Lat. $54^{\circ} 47' 0''$, Long. $1^{\circ} 34' 42''$.*Account of Strata sunk through at Aykley Heads, Framwellgate Colliery.*

Approximate surface-level 238 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	0	5	0				Brought forward	0	5	10			
Quicksand ...	0	0	10				Gravel and stones ...	1	4	0			
											2	3	10
Carried forward	0	5	10				Carried forward				2	3	10

No. 2,722.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				2	3	10	Brought forward	6	2	5½	35	0	2½
Post ...	6	4	0				Bastard fire-clay ...	0	2	7			
Metal, with post							Grey post ...	0	4	3			
girdles ...	0	1	8				Post ...	1	1	1			
Post ...	0	2	0				Blue metal ...	1	1	5½			
<i>Low Main Seam—</i>							COAL ...	0	0	2½			
COAL ...	0	2	2								10	0	0½
				7	3	10	Blue metal ...	1	4	3			
Fire-clay ...	1	0	0				COAL ...	0	1	8			
Metal, with post											1	5	11
girdles ...	3	0	6				Blue metal ...	1	5	9			
Grey metal ...	2	0	3				Grey post ...	0	2	6			
							Fire-clay ...	0	2	2			
COAL ...	1	1					Grey post ...	0	4	3			
Fire-clay ...	0	5					Blue metal ...	1	3	4			
COAL ...	1	3					Grey post ...	1	1	8			
				0	2	9	Blue metal ...	0	0	4			
							Grey post ...	1	5	2			
Fire-clay ...	0	4	0				COAL ...	0	1	0½			
COAL ...	0	0	6								8	2	2½
Blue metal ...	1	2	10				Fire-clay ...	1	0	8			
Post ...	0	2	0				White post ...	2	1	11			
Blue metal ...	3	1	0				Fire-clay ...	0	4	7			
<i>Hutton Seam—</i>							Blue metal ...	0	2	0			
COAL ...	0	3	10				Grey post ...	0	4	8			
				6	2	2	Blue metal, with						
Blue metal ...	2	2	8				post girdles ...	0	3	6			
Post ...	2	0	0				COAL ...	0	1	6			
COAL ...	0	0	9								6	0	10
				4	3	5	Dark grey post	4	5	6			
Blue metal ...	3	0	0				<i>Busty Seam—</i>						
COAL ...	0	0	6										
				3	0	6	COAL ...	1	11½				
Post ...	0	4	0				Band ...	1	3				
Blue metal ...	0	4	0				COAL ...	2	0				
Post ...	1	5	6				COAL , bot-						
Dark grey metal ...	0	4	0				tom ...	1	3½				
Post ...	0	0	9								1	0	6
COAL ...	0	0	8½										
				4	0	11½	Blue metal ...	2	3	0			
Post ...	3	0	0								2	3	0
Blue metal ...	3	2	5½										
Carried forward	6	2	5½	35	0	2½	Total ...				70	0	2½

No. 2,723.—FROSTERLEY.

TOWNSHIP OF SOUTH QUARTER, DURHAM.

Sheet 32 of Ordnance Map. Lat. 54° 43' 8", Long. 1° 54' 51".

Account of Strata sunk through in Bell's Shaft, Sunnyside Mine.

Approximate surface-level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	3	2	0				Brought forward	0	3	0	3	2	2
COAL ...	0	0	2				COAL ...	0	0	4			
				3	2	2					0	3	4
Hazle ...	0	3	0				Hazle ...	1	2	0			
Carried forward	0	3	0	3	2	2	Carried forward	1	2	0	3	5	6

No. 2,723.—FROSTERLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	0	3	5	6	Brought forward	9	0	6	26	4	6
Plate ...	...	0	3	9			Famp*	...	0	0	6		
Hazle ...	...	1	5	0			Calcareous post	...	0	3	0		
Famp*	...	0	0	6			Plate ...	...	0	4	0		
Hazle ...	...	1	2	0			Calcareous post	...	1	0	3		
Plate ...	...	10	0	0			Plate ...	...	3	3	0		
COAL ...	...	0	0	9			Calcareous post	...	0	3	0		
				15	2	0	Plate ...	...	1	0	0		
Calcareous post	...	0	3	3			Calcareous post	...	1	0	6		
Plate ...	...	4	5	9			Plate ...	...	0	0	6		
COAL ...	...	0	0	6			Calcareous band	...	0	0	6		
				5	3	6	Plate ...	...	0	0	6		
Plate ...	...	0	4	0			COAL ...	...	0	0	3		
Ferruginous post	...	0	1	0							17	4	6
Plate ...	...	1	0	0			Hazle ...	...	0	1	0		
COAL ...	...	0	0	6			Girdle beds	...	0	1	0		
				1	5	6	Hard hazle	...	0	1	6		
Plate ...	...	0	5	6			Slaty hazle	...	1	0	6		
Calcareous post	...	1	2	3			Plate ...	...	0	3	0		
Plate ...	...	0	4	6			Silicious band	...	0	1	0		
Fire-stone	...	4	4	3			Plate ...	...	0	1	0		
Plate ...	...	0	5	0							2	3	0
Calcareous post	...	0	3	0									
Carried forward	9	0	6	26	4	6	Total ...	...	47	0	0		

* Soft sandstone or shale.

No. 2,724.—FULWELL.

TOWNSHIP OF FULWELL, DURHAM.

Sheet 8 of Ordnance Map. Lat. 54° 56' 17", Long. 1° 23' 29".

Account of Strata sunk and bored through at the Sunderland and South Shields Waterworks, Fulwell.

Approximate surface-level 60 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	8	1	3	12	1	6
Soil ...	...	0	2	0			Blue limestone	...	0	2	6		
Strong clay ...	...	4	5	6			Blue metal ...	...	0	3	8		
Sand and gravel	...	0	1	0			Sand, into ...	...	2	0	0		
Strong clay ...	...	6	5	0							11	1	5
				12	1	6	<i>A drift, 5 feet by</i>						
Marl, with water	...	1	2	0			<i>6 feet, driven south-</i>						
Yellow limestone,							<i>west, 235 feet</i>						
with water	...	2	5	6							23	2	11
Brown limestone	...	2	3	3			<i>Bored further:—</i>						
<i>A drift, 6 feet by</i>							Brown sand ...	...	11	1	0		
<i>6 feet, driven west,</i>							Light sand, very	...	10	0	0		
<i>120 feet; also 5 feet</i>							rough ...	...	4	0	0		
<i>by 4 feet, driven</i>							Red sand ...	...	0	3	6		
<i>south, 70 feet</i>							Dark red metal	...	0	3	6		
Blue limestone	...	0	0	8							25	4	6
Brown limestone,													
with water	...	1	1	10									
Carried forward	8	1	3	12	1	6	Total ...	...	49	1	5		

No. 2,725.—GORDON HOUSE.

TOWNSHIP OF COCKFIELD, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 36' 51", Long. 1° 47' 45".

Account of Strata sunk through in the Mostyn Pit, Gordon House New Winning.

Approximate surface-level 620 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil ... ..	...	0	1	6			Brought forward	13	1	11	43	2	0
Clay ... ..	...	5	1	0			Grey post ... ..	...	0	4	0		
					5	2	6	Grey shale ... ..	...	2	3	0	
Blue shale ... ..	...	0	2	0			<i>Hutton Seam—</i>						
Grey shale ... ..	...	0	4	0			COAL ... ..	...	0	4	1		
COAL ... ..	...	1	0	6							17	1	0
					2	0	6	Seggar-clay	0	4	9		
Seggar-clay ... ..	...	0	4	6			Grey shale ... ..	...	0	4	2		
Grey shale ... ..	...	1	4	6			Hard white post,						
Blue shale ... ..	...	1	0	2			with black partings	3	4	10			
Black band ... ..	...	0	0	6			Grey shale ... ..	...	0	1	9		
Seggar-clay ... ..	...	0	3	0									
	Ft. In.	1	10				COAL	Ft. In.	1	6				
COAL ... ..	...	1	10				Band ... ..	...	1	1			
Band ... ..	...	0	2				COAL ... ..	...	1	8			
COAL ... ..	...	0	1								0	4	3
Band ... ..	...	0	6								6	1	9
COAL ... ..	...	3	10										
					1	0	5	Seggar-clay	0	1	8		
					5	1	1	White post	0	4	5		
Seggar-clay ... ..	...	0	1	0			Very dark post	...	0	2	0		
Bastard seggar-clay	...	0	5	9			Blue shale ... ..	...	0	4	3		
Post ... ..	...	0	3	6			Grey shale ... ..	...	0	3	0		
Grey post ... ..	...	0	3	11			White post ... ..	...	0	2	6		
White post ... ..	...	15	2	4			Grey shale ... ..	...	0	2	8		
Grey post ... ..	...	0	3	0			White post ... ..	...	0	4	9		
Grey shale ... ..	...	0	5	0			Grey shale ... ..	...	6	0	0		
White post ... ..	...	3	3	9			Black stone ... ..	...	0	2	3		
							COAL ... ..	...	0	0	8		
COAL	Ft. In.	1	5								10	4	2	
COAL , splint	...	0	9				Seggar-clay ... ..	...	0	3	2		
Band ... ..	...	0	3				White post ... ..	...	1	1	6		
COAL ... ..	...	2	9				Hard grey shale	...	3	3	8		
					0	5	2	Dark grey post	...	0	1	6		
					23	3	5	Grey shale	1	1	6		
Strong post ... ..	...	0	2	10			Hard white post	...	0	2	0		
Blue shale ... ..	...	6	0	8			Blue shale ... ..	...	0	3	6		
COAL ... ..	...	0	3	0			Black stone ... ..	...	0	1	6		
					7	0	6	<i>Harvey Seam—</i>						
Bastard seggar-clay	...	0	2	9			COAL	Ft. In.	5	10				
Grey post ... ..	...	1	0	6			Grey shale ... ..	...	1	6			
White post, with							COAL ... ..	...	0	4			
whin girdles	...	2	0	4							1	1	8	
Black band ... ..	...	0	5	0							9	2	0
Bastard seggar-clay	...	0	1	9			Seggar-clay ... ..	...	0	5	0		
Grey post ... ..	...	0	5	0			Grey shale, with post						
Blue shale ... ..	...	4	4	11			girdles, into	...	1	0	0		
Hard grey post	...	1	4	0							1	5	0	
Grey shale ... ..	...	1	1	8									
Carried forward	13	1	11	43	2	0	Total ... ..	...	88	3	11		

No. 2,726.—GORDON HOUSE.

TOWNSHIP OF COCKFIELD, DURHAM.

Sheet 41 of Ordnance Map. Lat. , Long.

Account of Strata sunk through from the Busty Seam in a Staple in the Hall Pit at Gordon House Colliery, for the North Bitchburn Coal Company, 1894.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	...	3	0	0			Brought forward	5	2	1	3	1	0
COAL ...	...	0	1	0			<i>Brockwell Seam—</i>						
				3	1	0	Ft. In.						
Seggar-clay ...	...	0	2	0			COAL , can-						
Post ...	...	1	3	0			nel ...	1	2				
Blue metal ...	...	3	3	1			COAL , with						
							a 4 inches						
							band ...	7	9				
									1	2	11		
											6	5	0
Carried forward	5	2	1	3	1	0	Total ...	...	10	0	0		

No. 2,727.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 11", Long. 1° 36' 8".

Account of Strata sunk through in the Brandling Pit, South Gosforth.

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	...	1	4	0			Brought forward	3	3	0	11	1	0
				1	4	0	Broken post...	...	1	0	6		
Brown post ...	...	3	5	0			Post ...	...	1	2	0		
<i>Seventy Fathoms Coal—</i>							Grey metal ...	...	2	4	6		
COAL ...	...	0	3	0			Post ...	...	1	3	0		
				4	2	0	Grey metal ...	...	1	2	3		
Thill ...	...	0	4	0			Black stone ...	...	0	3	0		
Grey metal stone ...	...	2	4	0			COAL ...	...	0	0	9		
Post ...	...	1	2	0							12	1	0
Grey metal ...	...	0	2	6			Post ...	...	7	1	0		
COAL ...	...	0	0	6			<i>Main Coal Seam—</i>						
				5	1	0	COAL ...	...	1	0	8		
Post ...	...	3	3	0							8	1	8
Carried forward	3	3	0	11	1	0	Total ...	...	31	3	8		

No. 2,728.—GREATHAM.

TOWNSHIP OF GREATHAM, DURHAM.

Sheet 45 of Ordnance Map. Lat. 54° 37' 46", Long. 1° 13' 23".

Account of Strata passed through in a Diamond Bore-hole at Marsh House, by Mr. John Vivian, for Mr. C. T. Casbourne, 1887.

Approximate surface-level 13 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	1	0			Brought forward	0	4	0			
Red and blue clay...	...	0	3	0			Tough red clay ...	...	4	2	0		
Carried forward	0	4	0				Carried forward	5	0	0			

No. 2,728.—GREATHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	0	0				Brought forward	109	5	5			
Red sand ...	0	4	0				<i>Lower Gypseous</i>						
Red sand and clay	2	3	0				<i>Marls:</i>						
Fine gravel	0	1	0				Red marl, with veins						
Brown sandy pinnel*	0	1	0				of gypsum	3	0	8			
Brown pinnel and							Red marl, with veins						
cobbles* ...	2	2	0				of gypsum and blue						
Red sand ...	0	2	6				joints	17	4	11			
Hard round gravel	0	4	5				Red marl, with veins						
				11	5	11	of gypsum and blue						
<i>Red Sandstones and</i>							spots	11	2	2			
<i>Marls:</i>							Red marl, with veins						
Red sandstone	50	0	7				of gypsum	1	3	10			
Red sandstone, with											33	5	7
beds of marl	12	5	0				<i>Saliferous Beds:</i>						
Red sandstone	2	3	2				Anhydrite	1	5	0			
Red sandstone, with							Red marl, rotten	2	3	0			
beds of marl	19	0	7				Rock salt	9	3	2			
Red sandy marl	1	2	6				Salt and anhydrite,						
Red marl, with blue							mixed	2	2	3			
joints	1	2	6				Rock salt	1	5	4			
Red sandy marl	3	3	3				Anhydrite	0	1	0			
Red marl	3	2	3								18	1	9
Red marl, with blue													
joints	3	3	8										
				97	5	6							
Carried forward				109	5	5	Total ...	162	0	9			

* Pinnel is coarse clayey gravel.

No. 2,729.—GUNNERTON.

TOWNSHIP OF GUNNERTON, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. 55° 5' 12", Long. 2° 9' 30".

Account of Strata sunk through in the Gunnerton Pit, 1876.

Approximate surface-level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface ...	7	3	0				Brought forward	13	4	8			
				7	3	0	Fine clay	0	2	0			
Scary freestone	0	2	0				Blue bind	2	1	0			
Limestone	1	0	3				Limestone	0	3	4			
Blue bind	0	2	8				Blue bind	0	2	0			
COAL	0	0	4				White sandstone	1	4	0			
				1	5	3	Bind	0	3	0			
Pot clay	0	5	8				Sandstone	0	5	0			
Quarry freestone	2	0	0				Bind	0	3	0			
Black shale	1	0	0				<i>Fourlaws Seam—</i>						
Limestone	0	1	0				COAL	0	2	0			
Shale	0	1	6								7	1	4
COAL	0	0	3										
				4	2	5							
Carried forward				13	4	8	Total ...	21	0	0			

No. 2,730.—HALTON.

TOWNSHIP OF HALTON, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. 55° 0' 47", Long. 1° 59' 49".

Account of Strata passed through in a Drift from the Surface at Halton Colliery, by Messrs. English Brothers.

Approximate surface-level 615 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	1	2	0				Brought forward	2	2	7	1	2	0
				1	2	0	Grey beds ...	0	1	0			
Blue shale ...	0	4	0				Blue shale ...	1	2	0			
Strong dark grey							Clarewood or Oak-						
post ...	0	3	7				wood Seam—						
Grey beds ...	0	4	10				COAL ...	0	1	4			
Limestone ...	0	2	0								4	0	11
Blue shale ...	0	0	2										
Carried forward	2	2	7	1	2	0	Total ...				5	2	11

No. 2,731.—HALTWHISTLE.

TOWNSHIP OF HALTWHISTLE, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 54° 58' 29", Long. 2° 29' 12".

Account of Strata passed through in a Bore-hole at Birchfield Gate, Haltwhistle.
Approximate surface-level 580 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9				Brought forward	10	2	4	14	4	0
Clay, mixed with							Dark metal stone,						
freestone ...	1	1	3				with girdles ...	2	1	0			
				1	2	0	Strong white post ...	1	0	6			
Freestone, with water	2	4	0				Dark metal stone ...	0	2	8			
Grey metal stone,							Quarry hazle, with						
with girdles ...	4	2	0				brown and white						
Brown freestone ...	0	3	0				post ...	3	3	8			
Strong white post ...	0	3	6				Dark grey metal ...	0	1	2			
Dark metal stone,							Strong white post,						
with white post ...	4	3	9				mixed with hazle	5	2	4			
COAL ...	0	0	5				Grey metal stone,						
				12	4	8	with grey post						
Dark metal stone ...	0	3	0				girdles ...	6	4	6			
COAL ...	0	0	4				Strong white post,						
				0	3	4	mixed with hazle						
Dark metal stone ...	0	1	10				and grey metal ...	4	0	0			
Grey metal stone ...	0	4	5				Blue grey metal,						
Dark metal stone ...	1	0	0				with grey metal						
Strong white post ...	2	2	2				stone girdles ...	4	3	9			
Grey metal stone,							Bastard limestone ...	0	0	7			
with girdles ...	2	5	0				Blue grey metal ...	0	1	4			
Strong white post ...	0	2	4				Bastard limestone ...	0	0	11			
Dark metal stone,							Blue grey metal ...	3	3	10			
with girdles ...	1	5	5				Limestone ...				42	4	7
Strong white post,													
with bands of grey													
metal ...	0	5	2										
Carried forward	10	2	4	14	4	0	Total ...				57	2	7

No. 2,732.—HALTWHISTLE.

TOWNSHIP OF HALTWHISTLE, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 54° 58' 57", Long. 2° 28' 53".

Account of Strata passed through in a Bore-hole at Greenwood, South Tyne Colliery.

Approximate surface-level 690 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	1	0				Brought forward	27	1	3	1	1	0
				1	1	0	Grey beds, with						
Sandstone, with water	3	4	0				strong post girdles	4	0	6			
Blue metal ...	0	1	0				Blue metal ...	4	2	6			
Post, with partings	6	0	0				Little Limestone ...	5	0	0			
Light metal ...	1	4	0				COAL, mixed with						
Dark metal ...	1	1	0				bands of shale ...	0	2	0			
Light post ...	4	2	0								41	0	3
Brown sandstone ...	2	3	0				Grey beds ...	3	3	6			
Grey beds, with post							COAL ...	0	1	1			
girdles ...	2	4	3								3	4	7
Metal ...	1	0	0				Hard post ...	2	0	0			
Grey beds ...	2	1	0				Mild post ...	1	0	0			
Hard blue post ...	0	2	0				Metal ...	2	2	0			
Sandstone ...	0	4	0								5	2	0
Post ...	0	5	0										
Carried forward	27	1	3	1	1	0	Total ...				51	1	10

No. 2,733.—HALTWHISTLE.

TOWNSHIP OF HALTWHISTLE, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. 54° 58' 36", Long. 2° 27' 22".

Account of Strata passed through in South Tyne Colliery Level, measured from the plotted Section, February 12th, 1874.

Approximate surface-level 420 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Micaceous sandstone							Brought forward	2	0	0	20	2	6
Sandstone ...	7	3	6				Sandstone ...						
Sandstone : Level							Fire-clay ...	0	3	0			
mouth ...	3	2	9				Shale, with balls of						
Shale, with ironstone	0	4	6				iron ...	0	4	6			
Shale ...	3	2	6				Sandstone ...	1	3	0			
Micaceous sandstone	1	1	6				Hard grey sandstone	1	1	6			
Limestone ...	1	2	3				Shale and micaceous						
COAL ...	0	1	0				sandstone ...	3	0	6			
				18	0	0	COAL ...	0	0	9			
Micaceous sandstone	0	5	9								9	1	3
Limestone ...	1	2	0				Sandstone ...	7	5	0			
COAL ...	0	0	9				Shale ...	1	1	6			
				2	2	6	Sandstone : Upper						
Shale ...	1	0	0				bed in Lees Hall						
Fire-clay ...	1	0	0				Quarry ...	6	1	0			
Carried forward	2	0	0	20	2	6	Carried forward	15	1	6	29	3	9

No. 2,733.—HALTWHISTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	15	1	6	29	3	9	Brought forward	29	2	0	29	3	9
Dark shale ...	0	1	6				Shale ...	4	0	6			
Sandstone: Lower bed in Lees Hall Quarry ...	6	4	6				Slate sills: Pattinson's Sill ...	6	4	6			
Shale and micaceous sandstone ...	2	2	0				Shale ...	2	3	6			
Sandstone: Firestone Sill ...	4	4	6				Limestone ...	6	4	6			
							Shale ...	1	0	0			
							COAL ...	0	3	0			
											51	0	0
Carried forward	29	2	0	29	3	9	Total ...				80	3	9

No. 2,734.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole in the Willow Field, about 200 yards to the North of Hamsteels Pit, by Messrs. William Coulson and Son. Commenced January 7th, 1881, and stopped March 25th, 1881.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	
Stony brown clay ...	0	1	2				Brot. forward	2	4	6	1	10	
				0	1	2	Black stone, with scares of coal ...	0	8				
Soft dark grey shale	2	0	10							0	3	0	
COAL ...	0	0	3								6	4	
				2	1	1	Grey shale, with post girdles ...	0	5	11			
Grey metal ...	0	2	9				Grey shale ...	1	0	9			
Soft freestone, with metal partings ...	4	3	2				Mild grey post, with water ...	0	3	0			
COAL ...	0	2	2				Grey shale ...	1	1	6			
				5	2	1	Grey post, with shale partings ...	0	5	0			
Black shale ...	0	0	6				Mild grey post ...	1	2	0			
Seggar-clay ...	0	1	0				Grey shale, with post girdles ...	0	3	0			
Dark grey shale, with coal pipes ...	0	1	0				COAL ...	0	1	11½			
Grey post, with shale partings and water	0	3	11							6	5	1½	
Grey shale, with post girdles ...	5	1	5				Grey shale thill ...	1	1	6			
							COAL ...	0	2	6¾			
COAL ...	0	11								1	4	0¾	
Black band ...	0	4					Grey shale ...	0	2	3¾			
COAL ...	0	7								0	2	3¾	
Brown band... 0 1													
COAL ...	0	2											
Black stone, with much coal ...	0	3											
Car. forward	2	4	6	1	10	7	Total ...				23	2	8

No. 2,735.—HARBOUR HOUSE.

TOWNSHIP OF PLAWSWORTH, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 9 Bore-hole in Mr. Donald's Allotment, 250 yards West of the River.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	3	0				Brought forward	29	3	2			
Leafy clay ...	0	2	3				Grey metal ...	0	1	6			
Sand and gravel,							Grey and white post,						
with water ...	2	0	9				with metal part-						
Loamy sand...	0	2	0				ings and water ...	2	5	4			
Leafy clay, stone and							Darkish grey metal,						
sand ...	9	2	0				with girdles ...	1	4	0			
Stony clay ...	0	2	0				Black metal, with						
Gravel and sand,							water near bottom	1	0	0			
with water ...	1	0	6				Grey metal ...	0	1	6			
Stony clay, with							White post, with						
small coals and							water ...	1	0	6			
sand near bottom	2	5	6				Whin ...	0	2	0			
Gravel and sand,							Grey post, with						
with water ...	0	1	6				water ...	1	4	0			
Stony clay ...							Grey metal stone,						
				17	4	6	with post girdles						
Grey metal, with post							and water...	2	0	4			
girdles ...	0	2	0				Blue metal ...	0	0	6			
White post ...	0	4	0				COAL , with sul-						
Grey metal ...	0	3	0				phur and water ...	0	1	8			
<i>Hutton Seam—</i>											11	3	4
COAL , with							COAL , foul, mixed						
water, rather							with metal ...	0	0	4			
splinty near							Grey metal stone,						
bottom ...	3	10					with post girdles	2	1	3			
COAL , foul							Black stone ...	0	0	4			
near top ...	0	6					COAL , foul ...	0	0	5			
				0	4	4					2	2	4
				2	1	4	Metal stone ...	0	1	6			
Dark grey metal ...	0	0	4				White post, with						
Grey metal ...	0	3	8				water ...	1	3	0			
Whitish grey post,							Grey metal ...	0	4	0			
with water ...	1	2	0				White post, with						
Blue grey metal stone	2	1	0				water ...	1	2	6			
Grey post, with much							Grey metal ...	0	0	5			
water ...	2	5	2										
COAL ...	0	0	6										
				7	0	8							
Grey metal ...	0	2	0										
Strong white post,							COAL ...	0	8				
with water ...	0	4	0				COAL , foul,						
Grey metal stone,							and metal ...	0	6				
with water ...	0	3	5				COAL ...	0	6				
White post ...	0	3	4								0	1	8
Grey metal ...	0	1	0								4	1	1
COAL , foul...	0	0	3										
				2	2	0	Grey metal ...	0	0	9			
Hard brass band ...	0	0	4				White post, with						
COAL ...	0	0	4				water ...	1	4	6			
				0	0	8	Grey metal stone, with						
							post girdles ...	1	2	6			
							Strong white post,						
							with water, into...	2	4	4			
											6	0	1
Carried forward				29	3	2	Total ...				53	4	0

No. 2,736.—HART.

TOWNSHIP OF THORPE BULMER, DURHAM.

Sheet 37 of Ordnance Map. Lat. 54° 43' 12", Long. 1° 14' 47".

Account of Strata passed through in a Bore-hole at Hart.

Approximate surface-level 70 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	112	3	9	6	1	3
Peat	1	4	0				Grey limestone, very						
Brown clay	1	1	0				much broken ...	1	0	0			
Strong brown pinnel,							Dark grey limestone	3	1	6			
with cobbles* ...	1	0	0				Dark sandy shale ...	0	4	0			
Hard brown pinnel,							Grey limestone ...	0	3	0			
with cobbles* ...	2	1	3								118	0	3
				6	1	3	Black shale	0	0	6			
Yellow limestone ...	9	0	3				Grey sandstone ...	0	3	6			
Yellow limestone,							Blue shale	0	5	6			
broken	5	2	0				Red shale	0	3	0			
Yellow limestone,							Red and blue shale,						
with soft joints ...	0	5	0				mixed	0	2	8			
Yellow limestone ...	1	5	4				Micaceous grey sand-						
Yellow limestone,							stone, with veins						
very much broken	14	2	7				of black shale ...	1	4	4			
Yellow limestone ...	9	1	9				Black and grey sandy						
Dark yellow lime-							shale	0	2	0			
stone	3	5	11				Light grey sandstone	1	0	6			
Light grey limestone	0	2	6				Black shale	0	0	6			
Yellow limestone ...	13	3	10				Light grey sandstone	0	5	0			
Grey limestone ...	0	2	0				Grey sandstone ...	9	0	9			
Grey sandy shale ...	1	0	8				COAL	0	0	6			
Dark grey limestone	0	3	3								15	4	9
Grey limestone ...	2	0	0				Black shale	3	4	1			
Light grey limestone	3	5	0				COAL	0	1	8			
Yellow limestone ...	2	3	0								3	5	9
Grey limestone ...	0	4	6				Black shale	0	1	4			
Yellow limestone ...	0	3	0				Black sandy shale ...	0	2	5			
Grey limestone ...	1	2	6				Grey sandstone ...	0	1	0			
Yellow limestone ...	0	2	0				Grey sandy shale ...	0	0	6			
Grey limestone ...	0	3	4				Black shale	0	2	6			
Yellow limestone ...	0	1	0				COAL	0	1	1			
Grey limestone ...	1	0	0								1	2	10
Grey limestone, very							Black shale	0	1	4			
much broken ...	2	5	2				Fire-clay	0	2	6			
Soft grey limestone	1	1	0				Grey sandstone, with						
Grey limestone ...	2	5	0				veins of shale ...	0	1	9			
Soft grey limestone	3	2	2				Black shale	3	3	5			
Light grey limestone	5	1	7				Blue sandy shale ...	0	3	8			
Yellow and grey lime-							Blue shale	0	2	9			
stone	1	4	1				Black shale	0	0	2			
Grey limestone ...	0	5	0				COAL	0	0	6			
Grey limestone, very											5	4	1
much broken ...	8	5	11				Black shale	0	0	11			
Yellow limestone,							Grey sandstone, with						
very much broken	0	4	11				veins of shale ...	0	3	8			
Grey limestone, very							Black sandy shale ...	0	1	3			
much broken ...	9	3	1				Grey sandstone ...	0	1	6			
Dark grey limestone,							Black sandy shale ...	0	0	10			
broken	0	3	5				Grey sandstone ...	0	4	4			
Dark grey limestone	0	5	0				Black shale	0	4	6			
Carried forward	112	3	9	6	1	3	Carried forward	2	5	0	151	0	11

No. 2,736.—HART.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	5	0	15	1	0	11	Brought forward	0	3	2	185	0	4
Grey sandstone ...	0	0	6					Dark blue sandy shale	1	2	1			
Black sandy shale...	0	5	1					White micaceous						
Black shale ...	0	2	6					sandstone ...	1	0	3			
COAL ...	0	0	6					Black shale ...	0	2	4			
				4	1	7		Dark grey sandy shale	0	5	8			
Fire-clay ...	0	0	9					White micaceous						
Grey sandstone ...	0	0	11					sandstone ...	2	2	2			
Black shale ...	4	1	3					White micaceous						
Fire-clay ...	0	1	3					sandstone, with						
Black shale ...	1	4	2					dark veins ...	3	5	3			
Blue shale ...	1	2	0					White micaceous						
Fire-clay ...	0	0	6					sandstone, with						
Black shale ...	0	3	0					streaks of coal ...	1	0	6			
Black sandy shale ...	0	5	0					Blue shale ...	0	5	6			
Black and grey sandy														
shale ...	1	5	0					COAL ...	0	3				
Black shale ...	0	4	8					Black shale ...	0	8½				
COAL ...	0	2	6					COAL ...	0	10				
				12	1	0		Black shale ...	0	1½				
Fire-clay, with fos-								COAL ...	0	4				
sils ...	0	4	0								0	2	3	
Black and grey sandy											12	5	2	
shale ...	1	4	7					Fire-clay ...	0	3	4			
Blue sandy shale,								Blue shale ...	1	0	2			
with fossils ...	1	5	3					Black and grey						
Blue sandy shale ...	0	1	10					sandy shale ...	1	1	4			
Grey sandstone ...	1	0	11					COAL ...	0	2	3			
COAL ...	0	0	3								3	1	1	
				5	4	10		Fire-clay ...	0	1	5			
Black shale ...	0	0	2					Dark blue sandy						
Fire-clay ...	0	1	8					shale, with veins						
Blue sandy shale ...	0	1	9					of sandstone ...	1	1	9			
Blue shale ...	0	4	10					Dark blue sandy						
COAL ...	0	0	10					shale ...	1	0	6			
				1	3	3		Dark blue shale,						
Blue shale ...	0	0	4					with girdles ...	0	5	0			
Grey sandstone ...	0	0	9					Dark blue shale ...	2	5	4			
Black shale ...	0	1	8					Fire-clay ...	0	0	11			
COAL ...	0	0	2					Light grey sandy						
				0	2	11		shale ...	0	2	5			
Fire-clay ...	0	3	2					White micaceous						
Grey sandstone, with								sandstone ...	0	2	3			
veins of shale ...	1	3	3					Black and grey shale	1	0	0			
White micaceous								Grey micaceous sand-						
sandstone ...	4	5	0					stone, ...	0	2	11			
Black and grey sand-								Grey micaceous sand-						
stone ...	0	3	9					stone, with veins						
Soft fire-clay and								of shale ...	0	2	0			
coal ...	0	0	9					Grey micaceous sand-						
				7	3	11		stone ...	0	5	9			
Fire-clay ...	0	1	5					Light grey micaceous						
Fire-clay, with fos-								sandstone, broken	0	4	4			
sils ...	0	2	0					Black and grey						
White micaceous								shale ...	0	3	0			
sandstone ...	1	0	1					Grey micaceous sand-						
Black shale ...	0	2	2					stone ...	0	5	8			
COAL ...	0	0	3					Dark blue shale ...	0	2	0			
				1	5	11		Black shale ...	0	5	0			
Fire-clay ...	0	3	2					Carried forward	13	2	3	201	0	7
Carried forward	0	3	2	185	0	4								

No. 2,736.—HART.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward	13	2	3	20	1	0	7	Brought forward	35	2	9	20	1	0	7
Black and grey sandy shale, with girdles ...	1	1	6					Blue shale ...	0	2	0				
Dark blue shale ...	1	1	8					Grey sandy shale ...	1	0	0				
Fire-clay ...	0	2	0					Black shale ...	0	1	0				
Dark blue sandy shale ...	0	5	2					Black shale, with veins of coal ...	0	1	0				
Dark blue shale ...	1	2	0					Dark blue shale ...	1	0	5				
Grey micaceous sandstone, with veins of shale ...	0	4	2					Grey micaceous sandstone, with veins of shale ...	2	4	6				
Grey micaceous sandstone ...	1	1	0					Grey micaceous sandstone ...	3	5	3				
Dark blue shale ...	0	4	2					Blue shale ...	0	0	6				
Black and grey sandy shale ...	0	3	0					COAL ...	0	0	4				
Coarse grey sandstone ...	1	4	0									44	5	9	
Black shale ...	0	0	3					Dark sandy shale ...	1	4	0				
Grey and black micaceous sandstone ...	1	2	3					Black shale ...	1	0	0				
Grey micaceous sandstone ...	1	1	0					Grey micaceous sandstone ...	0	4	7				
Dark micaceous sandstone ...	0	2	0					Fine dark grey shale	1	2	0				
Grey micaceous sandstone ...	1	5	6					Grey sandstone ...	1	4	6				
Coarse grey sandstone ...	2	0	0					Grit ...	2	1	0				
Blue shale ...	0	4	0					Blue shale ...	0	1	0				
Black and grey sandy shale ...	2	5	2					Grey sandy shale ...	0	2	0				
Black shale ...	1	4	8					Blue shale ...	0	1	0				
Fire-clay ...	0	1	0					Fine dark grey micaceous sandstone ...	0	2	0				
								Black shale ...	0	1	6				
								Light blue shale ...	1	3	0				
								Dark blue and red shale ...	0	1	0				
								Blue sandy shale ...	0	2	10				
								Limestone ...	0	1	6				
								Dark blue shale ...	0	5	1				
												13	1	0	
Carried forward	35	2	9	20	1	0	7	Total ...				259	1	4	

* Pinnel is coarse clayey gravel.

No. 2,737.—HARTFORD.

TOWNSHIP OF BEDLINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Hartford House, near Bedlington, February, 1901.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	0	4	6				Brought forward	4	2	4			
Strong dark brown clay ...	1	1	6				Hard blue clay ...	1	5	8			
Dark loamy sand ...	1	0	4								6	2	0
Blue clay, with sand partings ...	1	2	0				Black shale, with grey partings ...	0	2	9			
							Seggar-clay ...	0	0	3			
											0	3	0
Carried forward	4	2	4				Total ...				6	5	0

No. 2,738.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 20", Long. 1° 30' 56".

Account of Strata sunk through in the Hastings Pit, Hartley Colliery, 1875 and 1895.

Approximate surface-level 90 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	8				Brought forward	26	5	5	10	0	9
Yellow clay ...	0	2	4				Grey metal ...	0	0	6			
Dark blue clay ...	5	0	7				White post ...	3	4	8			
				5	3	7	Grey Seam—						
Blue metal ...	0	3	7				COAL , coarse	0	1	8			
Grey post girdle ...	0	0	11								31	0	3
Blue metal ...	1	4	11				Dark fire-clay ...	0	3	0			
Grey post girdle,							Grey post ...	0	0	3			
with water ...	0	0	8				Grey metal ...	0	1	5			
Blue metal ...	1	0	8				White post ...	0	1	5			
Black shale ...	0	3	9				Grey metal ...	0	0	2			
COAL ...	0	0	8				White post ...	0	4	6			
				4	3	2	Grey metal ...	0	3	0			
Fire-clay ...	0	1	4				Grey post ...	0	3	8			
Grey post girdle ...	0	0	11				Blue metal ...	0	1	0			
Coarse grey post,							Ironstone band	0	0	1			
with ironstone							Grey metal ...	0	5	5			
balls ...	0	1	1				Brown post ...	0	0	10			
Grey post ...	1	5	9				Grey metal ...	2	0	3			
White post ...	0	1	2				Ironstone band	0	0	2			
Blue metal ...	0	2	3				Black shale ...	0	2	10			
Grey post ...	0	1	4				Ironstone ...	0	0	2			
Whin ...	0	3	5				Dark fire-clay ...	0	5	0			
White post ...	0	2	0				Grey metal ...	1	2	3			
Blue metal ...	0	0	1				White post ...	5	2	9			
White post ...	0	3	10				Grey metal ...	0	2	4			
Blue metal ...	0	0	2				Yard Seam—						
White metal ...	0	2	8				COAL ...	0	2	10			
Blue metal ...	0	2	1								15	1	4
White post ...	5	0	6				Fire-clay ...	0	3	6			
Whin ...	0	1	0				Dark grey metal ...	1	0	7			
White post, with							COAL , coarse	0	1	6			
water ...	4	5	2								1	5	7
Blue metal ...	0	5	6				Light fire-clay ...	0	1	0			
Grey metal ...	0	5	9				Grey post ...	1	0	1			
Grey post ...	0	1	8				Grey metal ...	2	0	0			
Grey metal ...	0	0	10				Dark metal ...	0	1	0			
Grey post ...	0	1	4				Black parting	0	0	1			
Grey metal ...	0	1	6				Dark fire-clay ...	0	1	0			
Grey post ...	0	0	9				Dark grey metal ...	0	5	0			
Grey metal ...	0	2	10				COAL and stone,						
Blue metal ...	0	1	4				with iron balls ...	0	0	4			
Grey metal ...	0	0	3								4	2	6
Blue metal ...	0	0	9				Dark fire-clay, with						
Grey post ...	0	3	3				iron balls ...	1	3	2			
Strong grey metal ...	1	1	11				Grey post ...	0	4	5			
Grey post ...	0	1	0				White post ...	5	1	0			
Grey metal ...	0	5	6				Blue metal ...	0	0	2			
White post ...	3	0	0				White post ...	0	0	4			
Grey metal ...	0	0	6				Blue metal ...	0	0	8			
White post ...	1	2	0				White post ...	1	3	0			
Carried forward	26	5	5	10	0	9	Carried forward	9	0	9	62	4	5

No. 2,738.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	0	9	62	4	5	Brought forward	1	0	0	79	2	8
Whin ...	0	1	6				Soft seggar-clay ...	0	0	6			
White post ...	1	2	3				Strong grey post ...	0	4	4			
Whin ...	0	2	0				Strong blue metal ...	2	4	6			
White post ...	0	5	0				Strong white post ...	0	1	6			
Whin ...	0	1	0				Blue metal ...	0	5	4			
White post ...	0	4	3				Black stone ...	0	0	6			
Soft blue metal ...	1	1	3				<i>Low Main Seam—</i>						
Grey post ...	0	4	6				COAL ...	0	3	0			
Whin ...	0	0	9								6	1	8
Blue metal ...	1	3	3				Blue metal, with post						
COAL ...	0	1	9				girdles ...	2	1	0			
				16	4	3	Strong white post ...	2	3	0			
Grey post ...	0	3	8				Blue metal ...	0	0	4			
COAL and stone,							Strong white post ...	2	4	3			
mixed ...	0	2	4								7	2	7
Carried forward	1	0	0	79	2	8	Total ...				93	0	11

No. 2,739.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 41", Long. 1° 29' 15".

Account of Strata passed through in a Bore-hole on the Links between Gloucester Lodge Farm and the Astley Arms Inn, 1890.

Approximate surface-level 17 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	0	5	8				Brought forward	5	4	6	5	0	4
Blue clay ...	1	0	2				Seggar-clay ...	0	3	9			
Dark brown clay ...	1	4	4				Dark blue metal ...	0	1	9			
Blue clay, mixed							Grey metal, with post						
with sandstone ...	1	2	2				girdles ...	1	0	0			
				5	0	4	Strong white post ...	2	3	4			
Whin post ...	0	4	8				Dark post ...	0	2	6			
Grey post ...	0	5	7				Strong white post ...	0	3	2			
Strong blue metal ...	0	2	6				Soft rosl ...	1	0	2			
Strong whin post ...	1	1	3				Strong white post ...	0	1	6			
Blue metal ...	0	0	6				Grey metal ...	0	3	0			
Grey post ...	0	1	2				<i>Yard Seam—</i>						
Blue metal ...	1	4	6				COAL ...	0	2	6			
Black dant ...	0	2	4								13	2	2
Carried forward	5	4	6	5	0	4	Total ...				18	2	6

No. 2,740.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 10", Long. 1° 28' 45".

Account of Strata passed through in a Bore-hole on the Links at the Junction of the Roads from Blyth, Seaton Sluice and Seaton Delaval Hall, 1891.

Approximate surface-level 49 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	0	3	0			
Sand ...	0	2	6				Yellow clay ...	2	2	0			
Carried forward	0	3	0				Carried forward	2	5	0			

No. 2,742.—HAUXLEY.

TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. 55° 19' 21", Long. 1° 33' 17".

*Account of Strata passed through in a Bore-hole at Hauxley, 250 yards
North-east of Hauxley Cottage. Commenced August 7th, 1899,
and stopped December 16th, 1899.*

Approximate surface-level 35 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	3	0				Brought forward				34	2	7
Sand	0	3	6				Grey metal	2	1	3			
				1	0	6	Fire-clay	0	2	8			
Sandstone	1	3	0				Bastard fire-clay	0	3	5			
Fire-clay and blue							Coaly blue metal	0	1	10			
metal	0	0	8				Soft fire-clay	0	3	6			
Grey metal	2	2	0				Bastard fire-clay	0	3	9			
Soft blue metal	0	2	6				Hard grey metal	0	0	6			
COAL	0	0	7				Bastard fire-clay	1	0	0			
				4	2	9	Grey metal	0	5	10			
Fire-clay	0	1	2				Hard sandstone	0	1	11			
Fire-clay and blue							Grey metal	1	1	3			
metal	1	4	0				Dark grey metal	0	1	4			
Grey metal	0	5	6										
Fire-clay and blue							COAL	1	4				
metal	0	5	6				Soft parting	0	1				
Grey metal	0	4	9				COAL	1	0				
Sandstone	10	4	8								0	2	5
Grey metal and fire-													
clay	1	0	4								8	5	8
Grey and blue metal	0	0	8				Fire-clay	0	0	6			
							Bastard fire-clay	1	2	8			
COAL, cannel	0	3					Grey metal	0	5	7			
COAL	0	5					Sandstone and grey						
				0	0	8	metal	0	4	0			
				16	3	3	Coaly blue metal	0	1	3			
Bastard fire-clay ...	0	1	6				Blue and grey metal	0	2	6			
Grey metal and sand-							Dark blue metal	0	2	4			
stone	2	2	8										
Bastard fire-clay ...	0	5	4				COAL	0	8				
Grey and blue metal	0	4	6				Coaly fire-clay	0	3				
Bastard fire-clay ...	0	4	2				COAL	0	8				
Hard sandstone ...	0	5	7								0	1	7
Grey metal	1	3	6								4	2	5
Grey metal and sand-							Fire-clay	0	0	5			
stone	1	3	6				Bastard fire-clay	0	2	6			
Hard sandstone ...	1	1	0				Sandstone	2	2	0			
Fire-clay and blue							COAL	0	0	2			
metal	0	3	3								2	5	1
Blue metal and coal							Fire-clay	0	0	9			
pipes	0	1	6				Bastard fire-clay	0	2	6			
Bastard fire-clay ...	0	3	6				Sandstone	1	2	8			
Fire-clay and blue							Soft fire-clay	0	1	11			
metal	0	1	6				Grey metal	1	1	0			
							Grey and blue metal	0	4	7			
COAL, soft	0	4					Bastard fire-clay	0	1	6			
COAL, hard	2	3					Grey metal	0	1	2			
				0	2	7	Coaly blue metal	0	0	4			
				12	2	1	COAL	0	0	3			
Carried forward				34	2	7					4	4	8
							Carried forward				55	2	5

No. 2,742.—HAUXLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				55	2	5	Brought forward	8	4	4 76	1	2	
Bastard fire-clay ...	0	0	4				Sandstone and grey						
Grey metal ...	0	3	3				metal ...	0	2	10			
Sandstone ...	0	2	9				Soft sandstone ...	0	0	9			
Sandstone and grey							Grey metal ...	0	0	11			
metal ...	0	4	6				Fire-clay and blue						
Coaly fire-clay ...	0	0	6				metal ...	0	1	0			
Fire-clay ...	0	2	7										
	Ft.	In.						Ft.	In.				
COAL ...	0	6					COAL ...	1	0				
Coaly blue							Fire-clay ...	0	3				
metal ...	0	5					COAL ...	0	7				
Fire-clay and										0	1	10	
blue metal	0	6									9	5	8
COAL ...	0	5											
				0	1	10							
				2	3	9							
Bastard fire-clay ...	0	0	5				Bastard fire-clay ...	0	1	3			
Sandstone and grey							Grey metal ...	0	4	8			
metal ...	1	4	10				Fire-clay and blue						
Sandstone ...	1	2	3				metal ...	1	3	6			
Grey metal ...	0	2	9				Hard grey metal ...	0	5	0			
Sandstone ...	4	4	6				Grey and blue metal	0	1	6			
COAL ...	0	0	11				COAL, soft	0	0	3			
				8	3	8					3	4	2
Fire-clay ...	0	0	1				Bastard fire-clay ...	0	2	6			
Grey metal and sand-							Coaly blue metal ...	0	0	8			
stone ...	1	2	9				Bastard fire-clay ...	0	3	4			
Soft bastard fire-clay	0	1	9				Blue metal, with						
COAL ...	0	0	4				balls ...	0	5	5			
				1	4	11	Grey and blue metal	0	5	2			
Bastard fire-clay ...	0	0	8				Grey metal and sand-						
Grey metal and sand-							stone ...	0	4	6			
stone ...	0	3	10				Sandstone ...	2	2	9			
Fire-clay ...	0	2	6				Grey and blue metal	1	0	6			
Bastard fire-clay ...	0	3	4				Blue metal ...	0	2	6			
Grey metal ...	1	2	0				Grey metal ...	0	1	4			
White sandstone ...	4	2	3				Hard sandstone ...	0	3	4			
	Ft.	In.					Fire-clay and blue						
COAL ...	0	3					metal ...	1	0	9			
Fire-clay ...	0	4					Grey metal and sand-						
COAL ...	1	3					stone ...	0	2	9			
				0	1	10	Hard sandstone ...	0	1	2			
				7	4	5	Grey metal ...	0	0	10			
Grey metal and sand-							Soft coaly blue metal	0	0	11			
stone ...	0	1	3				Bastard fire-clay ...	0	1	3			
Sandstone ...	0	3	6				Grey metal and sand-						
Sandstone and grey							stone ...	0	4	2			
metal ...	0	4	0				Grey and blue metal	0	3	9			
Sandstone ...	5	2	8				Sandstone ...	0	3	1			
Grey metal ...	0	1	3				Grey and blue metal	0	2	10			
Sandstone and grey							Soft blue metal ...	0	0	4			
metal ...	1	1	3				COAL ...	0	2	0			
Hard sandstone ...	0	2	5								13	1	10
Carried forward	8	4	4 76	1	2		Fire-clay ...	0	1	6			
							Grey and blue metal	0	2	7			
							Hard grey metal ...	0	4	0			
							Sandstone ...	1	0	6			
											2	2	7
							Total ...				105	3	5

No. 2,743.—HAUXLEY.

TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. 55° 19' 32", Long. 1° 33' 31".

Account of Strata passed through in a Bore-hole 500 yards North of the Hauxley Bore-hole, No. 2,742. Commenced July 18th, 1900, and stopped September 25th, 1900.

Approximate surface-level 25 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	1	2	10	20	1	6
Sand	0	2	0				Sandstone	3	5	6			
Moss	0	4	6				COAL	0	1	7			
Soft clay, with stones	1	0	6								5	3	11
Hard boulder ...	0	0	8				Fire-clay	0	0	2			
Clay, with stones ...	0	1	6				Grey metal	1	0	6			
	Ft.	In.					Fire-clay and blue metal	0	1	6			
COAL , loose	1	6					Grey metal	1	0	6			
Soft parting	0	4					Sandstone	0	4	0			
COAL , loose	3	0					Grey and blue metal	0	5	3			
	0	4	10				Grey metal and sandstone	0	3	0			
				3	3	0	Sandstone	1	2	6			
Fire-clay and grey metal	0	2	6				Bastard fire-clay ...	0	2	7			
Blue metal	0	1	6				Grey metal	2	2	7			
Grey metal	0	1	8				Grey and blue metal	1	1	4			
	Ft.	In.					Grey metal and sandstone	0	2	8			
COAL	0	8					Sandstone	1	3	3			
Parting	0	1						Ft.	In.				
COAL , soft ...	0	8					COAL	0	10				
	0	1	5				Sandstone	0	11				
				1	1	1	COAL	0	2				
Grey metal and fire-clay	0	0	6				Sandstone	0	3				
Grey metal	2	2	6				COAL	0	3				
Grey metal and sandstone	2	1	6					0	2	5			
Sandstone	3	5	7								12	2	3
COAL	0	2	0				Bastard fire-clay ...	0	0	6			
				9	0	1	Grey metal	0	1	9			
Soft fire-clay	0	0	8				Blue and grey metal	0	2	8			
Grey metal	1	0	3					Ft.	In.				
Soft fire-clay	0	3	4				COAL	0	3				
Bastard fire-clay ...	0	4	0				Blue metal	0	4				
Grey metal	0	1	10				COAL	1	0				
Sandstone	1	5	0					0	1	7			
Sandstone and grey metal	1	2	6								1	0	6
Sandstone	0	2	6				Fire-clay	0	0	3			
Blue metal	0	0	1				Grey metal and sandstone	1	3	3			
	Ft.	In.					COAL	0	0	2			
COAL	0	8									1	3	8
<i>Coaly</i> grey metal	0	1					Sandstone	0	0	6			
COAL	0	5					Bastard fire-clay ...	0	1	4			
	0	1	2				Grey metal and sandstone	0	1	10			
				6	3	4	Sandstone	2	4	1			
Soft fire-clay	0	1	0				Grey metal and sandstone	2	0	0			
Grey metal and sandstone	1	1	10				Hard grey metal ...	0	3	4			
Carried forward	1	2	10	20	1	6	Carried forward	5	5	1	40	5	10

No. 2,743.—HAUXLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	5	1	40	5	10	Brought forward	1	1	4	57	5	6
Bastard fire-clay ...	0	1	6				COAL ...	0	0	2			
COAL ...	0	0	4								1	1	6
				6	0	11	Grey metal ...	0	1	10			
Bastard fire-clay ...	0	1	0				Grey metal and sandstone ...	1	1	4			
Sandstone and grey metal ...	1	1	0				Fire-clay, with blue metal and coal pipes ...	0	0	8			
Bastard fire-clay ...	0	0	8				Bastard fire-clay ...	0	3	2			
COAL ...	0	0	3				COAL ...	0	0	5			
Bastard fire-clay ...	0	2	2								2	1	5
							Bastard fire-clay ...	0	0	8			
COAL ...	1	3					Hard grey metal ...	0	4	10			
Fire-clay ...	0	3					Hard sandstone ...	0	0	9			
COAL ...	0	5					Grey metal ...	3	3	5			
				0	1	11							
							COAL ...	0	2				
Bastard fire-clay ...	0	0	10				Fire-clay ...	0	1				
Grey metal ...	0	3	6				COAL ...	1	2				
Fire-clay and blue metal ...	0	2	4								0	1	5
Grey metal ...	1	1	0										
Sandstone ...	6	1	10								4	5	1
COAL, soft ...	0	0	3				Bastard fire-clay ...	0	2	3			
				8	3	9	Grey metal ...	0	1	9			
Bastard fire-clay ...	0	1	9				Sandstone ...	4	2	6			
Grey metal ...	0	5	7								5	0	6
Carried forward	1	1	4	57	5	6	Total ...				71	2	0

No. 2,744.—HAUXLEY.

TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. 55° 18' 33", Long. 1° 32' 18".

Account of Strata passed through in a Bore-hole on Big Bondicar Rock, 1,446 yards South 70½° East (Magnetic) from Newburgh No. 1 Pit. Commenced April 24th, 1900, and stopped and cemented May 23rd, 1900.

Approximate surface-level 10 feet below sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hard sandstone ...	0	5	0				Brought forward	3	3	9	4	0	6
Grey metal and sandstone ...	1	1	6				Grey metal ...	1	0	4			
Hard sandstone ...	0	1	6				Hard grey metal ...	0	0	8			
Grey metal and fire-clay ...	0	5	6				Grey metal and fire-clay ...	1	1	6			
Fire-clay, with balls	0	4	6				Fire-clay and blue metal ...	0	5	3			
COAL ...	0	0	6				COAL ...	0	0	5			
				4	0	6					6	5	11
Fire-clay ...	0	0	3				Coaly blue metal ...	0	0	3			
Grey metal ...	1	2	6				Grey metal and fire-clay ...	0	1	6			
Grey metal and fire-clay ...	1	2	0				Grey metal ...	0	2	4			
Blue metal, with balls ...	0	5	0				Hard sandstone ...	0	3	0			
Carried forward	3	3	9	4	0	6	Carried forward	1	1	1	11	0	5

No. 2,744.—HAUXLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward	1	1	1	1	0	5	Brought forward	4	5	3	14	4	6		
Sandstone and grey metal ...	1	2	6				Grey and blue metal	1	3	6					
Fire-clay and grey metal ...	0	2	8				Grey metal ...	0	2	3					
Fire-clay and blue metal ...	0	1	4				Grey metal and fire-clay ...	0	4	0					
COAL ...	0	2	6				Fire-clay and blue metal ...	0	4	6					
				3	4	1	COAL ...								
Fire-clay and grey metal ...	1	1	3				Parting ...	0	1						
Grey metal ...	1	3	6				COAL ...	3	0						
Grey metal and sandstone ...	1	1	0							1	0	6			
Grey metal and fire-clay ...	0	5	6									9	2	0	
Carried forward	4	5	3	14	4	6	Bastard fire-clay ...	0	0	9					
													0	0	9
							Total ...				24	1	3		

No. 2,745.—HAVERTON HILL.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 57", Long. 1° 13' 53".

Account of Strata passed through in the No. 1 (or Eastern) Bore-hole at Haverton Hill, for the South Durham Salt Company, Limited.

Approximate surface-level 15 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	34	3	9	10	2	9
Yellow clay...	0	3	0				Red sandstone, with marl joints	4	1	7			
Blue clay ...	5	5	3				Red sandstone	4	1	7			
Brown sand ...	0	0	9				Red marl ...	0	1	6			
Tough brown pinnel*	2	0	0				Red sandstone, very jointy	1	2	6			
Blue pinnel*...	0	3	10				Red sandstone	6	1	0			
Brown sandy pinnel*	0	2	8				Red marl ...	0	4	0			
Hard bound gravel, with pinnel*	0	2	10				Red sandstone, jointy	6	4	5			
Gravel and pinnel, mixed*	0	1	5				Red marl ...	2	0	0			
				10	2	9	Red sandstone, with marl joints	1	5	6			
<i>Red Sandstones and Marls:</i>							Red sandstone	1	2	5			
Red sandstone ...	5	1	9				Red sandstone, with marl joints	3	3	9			
Grey sandstone ...	0	1	0				Red sandstone	3	4	5			
Red sandstone ...	5	5	6				Red sandstone, with marl joints	1	5	0			
Red marl ...	0	1	0				Red marl ...	1	2	0			
Red sandstone ...	7	3	0				Red sandstone	5	3	5			
Red and grey sandstone ...	1	4	0				Red marl ...	0	5	0			
Red sandstone ...	2	1	0				Red sandstone	3	1	8			
Red and grey sandstone ...	3	0	6				Red sandy marl	3	4	4			
Red sandstone ...	3	3	0				Red marl ...	1	2	3			
Red marl ...	0	2	6				Sandstone ...	0	2	0			
Red sandstone ...	4	4	6				Sandy marl...	0	3	9			
Carried forward	34	3	9	10	2	9	Carried forward	89	5	10	10	2	9

No. 2,745.—HAVERTON HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	89	5	10	10	2	9	Brought forward	19	1	10	108	3	7
Red sandy marl ...	...	4	3	4			Red sandy marl, with	...	...	...	...	...	...
Red sandstone ...	...	0	5	0			gypsum joints ...	3	4	11			
Red marl ...	...	2	2	8			Red marl, with gyp-	...	...	...	...	...	...
Red marl, strong ...	...	0	2	0			sum ...	9	2	5			
				98	0	10					32	3	2
<i>Lower Gypseous</i>							<i>Saliferous Beds:</i>						
<i>Marls:</i>							Anhydrite ...	...	1	3	6		
Strong marl, with							Red marl, containing	...	...	...	...	...	...
gypsum ...	...	1	2	3			a little salt ...	...	1	5	1		
Strong marl...	...	2	2	8			Dark red marl, con-	...	...	...	...	...	...
Red sandy marl ...	...	3	4	10			taining salt ...	...	0	3	0		
Red marl, with long	...	...	...	...			Salt ...	...	14	2	6		
vein of gypsum ...	...	1	3	8			Salt and gypsum,	...	...	...	...	...	...
Red sandy marl ...	...	1	3	1			mixed ...	...	1	4	10		
Red marl, with gyp-	...	...	...	...			Gypsum, containing	...	...	...	...	...	...
sum joints ...	...	2	1	6			salt ...	...	0	1	0		
Red sandy marl ...	...	0	3	0			Gypsum ...	...	0	5	0		
Red marl, with veins	...	...	...	...			Salt ...	...	1	2	10		
of gypsum ...	...	0	4	4			Salt and gypsum ...	...	2	4	8		
Red marl ...	...	1	0	0			Anhydrite ...	...	1	1	2		
Red marl, with large	...	...	...	...							26	3	7
veins of gypsum...	...	4	0	6									
Carried forward	19	1	10	108	3	7	Total ...	...	167	4	4		

* Pinnel is coarse clayey gravel.

No. 2,746.—HAVERTON HILL.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 55", Long. 1° 14' 13".

Account of Strata passed through in the No. 4 (or Western) Bore-hole at Haverton Hill, for the South Durham Salt Company, Limited.

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			Brought forward	48	3	8	11	3	0
Yellow clay	0	4	0			Red sandstone ...	13	1	10			
Brown clay	1	4	0			Red marl ...	...	0	1	0		
Brown clay and			Red sandstone ...	...	11	4	6		
cobbles	2	5	0			Red sandy marl ...	...	10	4	6		
Brown sand and clay	...	0	3	1			Red marl ...	...	12	0	10		
Loamy sand...	...	2	0	5							96	4	4
Brown pinnel*	...	2	3	0			<i>Lower Gypseous</i>						
Yellow sandy clay	0	1	9			<i>Marls:</i>						
Brown pinnel*	...	0	4	9			Red marl, with veins	...	...	...	...	...	...
				11	3	0	of gypsum ...	23	2	6			
<i>Red Sandstones and</i>											23	2	6
<i>Marls:</i>							<i>Saliferous Beds:</i>						
Red sandstone	26	4	6			Anhydrite ...	...	1	0	0		
Red marl	0	4	0			Salty marl ...	...	2	2	0		
Red sandstone	13	1	0			Red salty marl ...	...	0	3	0		
Red marl	0	4	8			Rock salt ...	...	17	2	6		
Red sandstone	5	4	0			Gypsum ...	...	1	1	6		
Red marl	1	3	6							22	3	0
Carried forward	48	3	8	11	3	0	Total ...	...	154	0	10		

* Pinnel is coarse clayey gravel.

No. 2,747.—HAVERTON HILL.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 33", Long. 1° 13' 15".

*Account of Strata passed through in a Diamond Bore-hole at Westfield,
Haverton Hill, by Mr. John Vivian, for Mr. George Dyson.
Commenced May 30th, 1885, and stopped November
21st, 1885.*

Approximate surface-level 5 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	65	2	1	10	4	8
Yellow clay ...	0	2	0				Red sandstone ...	3	5	3			
Brown clay ...	1	2	6				Red marl ...	1	2	6			
Sand ...	0	2	0				Red sandstone ...	3	2	6			
Hard red clay and cobblestones ...	1	0	6				Red marl ...	3	3	6			
Sand ...	0	0	6				Sandy marl ...	1	2	6			
Tough brown pinnel*	1	2	6				Red marl ...	3	0	6			
Sand ...	0	2	6								82	0	10
Red clay ...	0	1	3				<i>Lower Gypseous</i>						
Sand ...	1	5	3				<i>Marls:</i>						
Brown sandy clay ...	0	1	0				Sandy marl, with veins of gypsum...	3	0	0			
Brown pinnel*	0	3	0				Red marl ...	1	4	0			
Tough brown pinnel*	1	3	0				Red marl, with veins of gypsum...	4	1	0			
Rough sand and fine gravel ...	0	3	6				Red marl ...	4	3	0			
Bound gravel ...	0	0	6				Red marl, with veins of gypsum...	22	4	6			
Hard bound gravel	0	3	8								36	0	6
				10	4	8	<i>Saliferous Beds:</i>						
<i>Red Sandstones and</i>							Anhydrite ...	0	5	6			
<i>Marls:</i>							Red marl, rather salty ...	0	3	0			
Red sandstone ...	6	3	1				Red salty marl ...	1	5	0			
Red sandstone, with veins of spar ...	2	3	9				Red marl, containing salt ...	0	2	6			
White sandstone ...	0	5	0				Rock salt ...	15	4	9			
Red sandstone ...	17	3	6				Rock salt, mixed with gypsum ...	1	0	0			
Soft red marl ...	1	2	0				Gypsum and salt ...	0	2	6			
Red sandstone ...	13	0	6				Gypsum, containing a little salt ...	1	2	11			
Red marl ...	0	4	0				Anhydrite ...	0	1	0			
Red sandstone ...	5	5	3								22	3	2
Sandy marl ...	1	2	0										
Red marl ...	1	4	3										
Red sandstone ...	13	1	9										
Red marl ...	0	3	0										
Carried forward	65	2	1	10	4	8	Total ...	151	3	2			

* Pinnel is coarse clayey gravel.

No. 2,748.—HAVERTON HILL.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 55", Long. 1° 14' 26".

*Account of Strata passed through in a Bore-hole at Sandfield, Haverton
Hill, 1886.*

Approximate surface-level 15 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	1	0	0			
Strong red clay ...	0	4	6				Brown sand ...	5	0	4			
Carried forward	1	0	0				Carried forward	6	0	4			

No. 2,748.—HAVERTON HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	0	4				Brought forward	97	3	1			
Dark sand ...	...	1	5	1			<i>Lower Gypseous</i>						
Brown clay ...	...	0	3	4			<i>Marls:</i>						
Brown pinnel and cobbles*	...	3	1	7			Red marl, with gypsum joints ...	1	2	6			
				11	4	4	Red sandy marl ...	8	4	11			
<i>Red Sandstones and</i>							Strong red marl, with veins of gypsum...	6	2	9			
<i>Marls:</i>							Red marl ...	0	1	0			
Red sandstone ...	24	1	8				Red marl, with veins of gypsum	14	0	3			
Red marl ...	0	2	0					30	5	5			
Red sandstone ...	13	4	0				<i>Saliferous Beds:</i>						
Red marl ...	0	3	0				Anhydrite ...	1	3	6			
Red sandstone ...	6	2	7				Red marl, <i>salty</i> ...	2	0	0			
Red marl ...	1	4	5				Decayed brown marl, containing <i>salt</i> ...	0	5	0			
Red sandstone ...	17	0	2				Rock <i>salt</i> ...	13	2	10			
Red sandstone, with beds of marl ...	1	1	8				Anhydrite and rock <i>salt</i> ...	0	1	6			
Red marl ...	0	4	0				Rock <i>salt</i> ...	0	1	0			
Red sandy marl ...	0	2	0				Anhydrite and <i>salt</i> ...	0	4	2			
Red sandstone ...	3	2	2				Anhydrite, containing a little <i>salt</i> ...	1	3	9			
Red marl ...	3	2	4				Rock <i>salt</i> ...	1	0	0			
Red sandstone ...	2	5	8				Anhydrite ...	0	0	9			
Red marl ...	2	3	6					21	4	6			
Red sandy marl ...	1	1	9										
Red sandstone ...	1	0	7										
Red marl ...	4	5	3										
				85	4	9							
Carried forward				97	3	1	Total ...	150	1	0			

* Pinnel is coarse clayey gravel.

No. 2,749.—HAVERTON HILL.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 52", Long. 1° 14' 4".

Account of Strata passed through in No. 1 Diamond Bore-hole at Haverton Hill, for Messrs. C. Tennant and Partners, Limited.

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	13	2	0			
Red sandy soil ...	0	5	6				Sand and gravel ...	0	3	3			
Stiff dark muddy clay ...	1	4	0					13	5	3			
Stiff red clay ...	2	5	0				<i>Red Sandstones and</i>						
Red clay and cobbles ...	0	3	0				<i>Marls:</i>						
Dark sand ...	0	0	9				Red sandstone ...	15	3	5			
Brown sand...	2	4	7				Grey sandstone ...	1	2	0			
Brown sand, very fine ...	0	5	2				Red sandstone ...	27	2	7			
Brown sandy pinnel and gravel*	0	4	6				Red marl ...	0	3	0			
Brown sandy clay and cobbles ...	1	1	0				Red sandstone ...	11	0	8			
Cobbly pinnel*	1	3	0				Grey stone ...	0	3	6			
							Red marl ...	0	3	0			
Carried forward	13	2	0				Red sandstone ...	6	1	0			
							Red marl ...	2	4	9			
							Red sandstone ...	12	1	3			
								78	1	2	13	5	3

No. 2,749.—HAVERTON HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	78	1	2	13	5	3	Brought forward	14	0	0	115	4	0
Red sandy marl ...	1	3	3				Red marl, with blue joints and veins of gypsum ...	12	2	0			
Red sandstone ...	4	0	0				Red marl, with gypsum ...	7	0	6			
Red sandy marl ...	0	2	9				Red marl ...	0	0	9			
Red sandstone ...	0	2	0								33	3	3
Red marl ...	1	0	6				<i>Saliferous Beds:</i>						
Red stone and beds of marl ...	3	0	9				Anhydrite ...	1	3	0			
Red marl ...	3	1	0				Red marl, with salt ...	0	1	0			
Red stone and beds of marl ...	2	0	10				Red marl, with veins of salt ...	3	5	4			
Red stone ...	0	3	0				Rock salt ...	12	0	11			
Red marl, with blue joints ...	3	0	0				Hard stone ...	0	3	2			
Red sandstone ...	0	5	0				Hard stone, with salt	0	2	8			
Red sandy marl ...	3	2	6				Rock salt and gypsum ...	1	0	0			
				101	4	9	Hard blue stone ...	0	0	10			
<i>Lower Gypseous Marls:</i>											19	4	11
Red marl, with veins of gypsum ...	14	0	0										
Carried forward	14	0	0	115	4	0	Total ...				169	0	2

* Pinnel is coarse clayey gravel.

No. 2,750.—HAVERTON HILL.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 36' 1", Long. 1° 14' 33".

*Account of Strata passed through in No. 8a American System and Diamond Bore-hole at Haverton Hill, for the United Alkali Company, Limited.
Completed November 18th, 1891.*

Approximate surface-level 20 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Ordinary surface-soil, etc. ...	0	5	0				Brought forward				122	0	0
Blue clay ...	5	0	0				<i>Saliferous Beds:</i>						
Sand and clay ...	2	3	0				Anhydrite ...	1	3	0			
Sand and gravel ...	2	3	0				Rotten marl, containing salt ...	4	1	0			
Gravel ...	0	5	0				Rock salt ...	7	0	0			
				11	4	0					12	4	0
<i>Red Sandstones and Marls:</i>							<i>Magnesian Limestone and Lower Red Sandstone:</i>						
Soft sandstone ...	0	5	0				Light grey limestone	15	3	0			
Red sandstone ...	54	1	0				Dark grey limestone	3	0	0			
Red marl ...	25	0	0				Light grey limestone	52	1	0			
				80	0	0	Dark grey limestone	7	0	0			
<i>Lower Gypseous Marls:</i>							Black and red shale	6	5	0			
Red marl ...	30	2	0				Sand and water, with gas bubbles ...	8	0	0			
				30	2	0							
Carried forward				122	0	0	Carried forward	92	3	0	134	4	0

No. 2,750.—HAVERTON HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	92	3	0	134	4	0	Brought forward	74	4	0	246	3	0
Black and red shale	1	0	0				Grey limestone, with						
Grey limestone ...	3	2	0				a little shale ...	2	0	0			
Shale ...	3	0	0				Grey sandstone ...	0	5	0			
Sticky substance, like							Shale and a little						
fire-clay ...	2	5	0				sand ...	1	0	0			
Dark limestone ...	1	2	0				COAL , with a little						
Sand ...	1	3	0				gas ...	0	2	0			
Sand and limestone	3	0	0				Limestone ...	1	0	0			
Sand ...	3	2	0				Sandstone ...	2	2	0			
				111	5	0	Sandy shale, with a						
<i>Carboniferous Measures:</i>							little gas ...	0	2	0			
Shale and fire-clay...	3	2	0				Hard shale ...	0	3	0			
Fire-clay ...	6	0	0				Hard black shale ...	1	3	0			
Shale ...	1	3	0				Grey sandstone ...	0	2	0			
Grey limestone ...	5	5	0				Black shale ...	0	2	0			
Black shale ...	3	0	0				Grey micaceous sand-						
Sandstone ...	1	1	0				stone ...	1	2	0			
Sandstone and shale	1	5	0				Black shale ...	1	5	0			
Limestone and shale	1	2	0				Limestone ...	4	2	0			
Sandstone ...	5	0	0				Grey micaceous sand-						
Limestone ...	1	5	0				stone ...	1	1	6			
Light grey sandstone	1	3	0				Grey micaceous sand-						
Dark sandstone and							stone, with veins						
shale ...	3	3	0				of shale ...	5	2	0			
Shale ...	7	2	0				Hard black shale,						
Black shale ...	6	4	0				with veins of sand-						
Limestone ...	2	4	0				stone ...	1	0	0			
Grey sandstone ...	3	1	0				Micaceous sandstone	1	3	0			
Sandstone, mixed							Hard shale ...	0	3	0			
with shale ...	3	2	0				Micaceous sandstone	1	2	0			
Fine sand, with							Hard grey shale ...	0	3	6			
water ...	2	4	0				Hard black shale ...	8	0	6			
Black shale and sand	2	1	0				Dark sandy shale ...	0	3	6			
Shale ...	8	5	0				Hard black shale,						
Grey limestone ...	2	0	0				into ...	2	5	0			
											115	4	0
Carried forward	74	4	0	246	3	0	Total ...				362	1	0

No. 2,751.—HAVERTON HILL.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 37", Long. 1° 15' 29".

Account of Strata passed through in a Diamond Bore-hole at Stone Marsh or Sweethill, near Haverton Hill, 1886.

Approximate surface-level 25 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	7	2	0			
Yellow clay ...	0	1	0				Blue and sandy clay	1	4	0			
Red clay ...	2	4	6				Red clay ...	1	2	0			
Brown pinnel*	4	0	6				Sand and gravel ...	0	1	0			
Red sandy pinnel*...	0	1	0				Gravel ...	0	2	0			
Carried forward	7	2	0				Carried forward	10	5	0			

No. 2,751.—HAVERTON HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	5	0				Brought forward	24	2	9	100	1	9
Gravel and cobbles	0	2	6				Red marl, with veins						
Sand and gravel ...	0	3	6				of gypsum ...	1	1	6			
Sand ...	0	2	0								25	4	3
Gravel and cobbles	0	2	0				<i>Saliferous Beds:</i>						
Bound gravel and							Anhydrite ...	1	3	0			
pinnel* ...	0	5	0				Decayed red marl,						
Pinnel and gravel*...	0	4	6				containing salt ...	1	4	3			
Clayey sand...	1	1	0				Red <i>salty</i> marl ...	0	1	9			
Pinnel and gravel*...	0	2	6				Anhydrite ...	1	1	0			
Bound gravel ...	1	0	6				<i>Salt</i> and gypsum ...	1	3	0			
Fine gravel ...	0	4	3				Anhydrite ...	1	1	0			
				17	2	9	Anhydrite, with black						
<i>Red Sandstones and</i>							joints ...	2	2	3			
<i>Marls:</i>							Anhydrite ...	1	1	6			
Red sandstone ...	29	5	3								10	5	9
Red marl ...	0	2	9				<i>Magnesian Limestone</i>						
Red sandstone ...	3	2	3				<i>and Lower Red</i>						
Sandy marl ...	1	0	0				<i>Sandstone:</i>						
Red marl ...	1	1	0				Limestone ...	1	1	9			
Red sandstone ...	13	0	0				Limestone, with						
Red sandy marl ...	3	3	0				gypsum joints ...	2	0	6			
Red marl ...	0	3	0				Limestone ...	4	2	9			
Red sandstone ...	5	1	6				Limestone, with						
Red marl ...	1	0	6				gypsum veins ...	2	5	7			
Red sandstone, with							Hard blue stone,						
marl beds ...	2	3	3				with veins of gyp-						
Red marl, with red							sum ...	0	5	8			
sandstone beds ...	1	5	6				Red and blue marl,						
Red marl, with blue							with gypsum ...	0	1	8			
joints ...	1	1	3				Hard blue and red						
Red sandstone, with							stone ...	0	0	8			
marl beds ...	2	2	3				Anhydrite ...	0	3	8			
Red sandstone ...	0	4	0				Red marl, with an-						
Red marl ...	2	2	9				hydrite and gyp-						
Red marl, with red							sum ...	0	2	10			
sandstone ...	0	3	3				Anhydrite, with red						
Red marl ...	3	0	6				marl and gypsum						
Red marl, with blue							veins ...	2	3	11			
joints ...	6	5	6				Anhydrite and lime-						
Red sandstone ...	0	2	0				stone ...	2	2	8			
Red marl, with blue							Limestone, with						
joints ...	1	3	6				gypsum veins and						
				82	5	0	blue shale joints ...	1	5	11			
<i>Lower Gypsaceous</i>							Anhydrite ...	0	3	4			
<i>Marls:</i>							Limestone, with						
Red marl, with blue							gypsum veins ...	1	3	0			
joints and veins of							Anhydrite ...	0	4	0			
gypsum ...	10	2	3				Anhydrite, with spots						
Red marl ...	2	3	0				of gypsum ...	1	3	1			
Red marl, with veins							Limestone, with						
of gypsum ...	10	1	0				gypsum veins ...	5	1	3			
Red marl ...	1	2	6								29	4	3
Carried forward	24	2	9	100	1	9	Total ...				166	4	0

* Pinnel is coarse clayey gravel.

No. 2,752.—HAZLERIGG.

TOWNSHIP OF EAST BRUNTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 23", Long. 1° 38' 36".

Account of Strata sunk and bored through in the Pumping Shaft at Hazlerigg Colliery.

Approximate surface-level 250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	1	0	9	33	1	1
Soil	0	0	9				Blue metal ...	0	3	6			
Brown clay ...	0	3	3				Post, with whin ...	0	4	0			
Strong boulder-clay	2	2	0				Blue metal ...	1	5	0			
Sand	0	0	3				Black stone ...	0	5	8			
Strong boulder-clay	2	5	9				COAL ...	0	0	8			
				6	0	0					5	1	7
Brown freestone, with							Black stone ...	0	0	4			
800 gallons of							Seggar-clay ...	0	2	2			
water per hour ...	4	1	2				Grey metal, with						
White post ...	0	4	0				girdles ...	1	2	3			
Soft metal ...	0	0	10				White post ...	2	3	5			
							Blue metal ...	0	4	10			
COAL ...	1	0											
Band ...	0	4					COAL ...	1	1				
COAL ...	1	2					Seggar-clay ...	0	8				
				0	2	6	COAL and						
				5	2	6	splint ...	1	1				
Seggar-clay ...	0	2	4							0	2	10	
Grey metal, with post											5	3	10
girdles ...	4	1	6										
Black stone ...	0	1	3								44	0	6
COAL ...	0	0	4				<i>Bored further:—</i>						
				4	5	5	Seggar-clay ...	0	1	4			
Seggar-clay ...	0	1	3				Post ...	0	0	5			
Strong white post,							COAL ...	0	1	3			
with whin and 1,000											0	3	0
gallons of water							Grey metal ...	0	4	8			
per hour at bottom	1	2	8				Grey metal and post	0	4	0			
Grey metal, with post							Grey and blue metal	2	1	6			
girdles ...	0	4	6				Dark blue metal ...	0	2	9			
Black stone ...	0	0	1				Grey metal ...	0	3	6			
Seggar-clay ...	0	3	6				Grey metal and seg-						
Grey metal, with post							gar-clay ...	1	2	0			
girdles ...	1	3	5				Dark blue metal ...	0	2	2			
White post ...	3	2	5				<i>Plessey Seam—</i>						
Soft metal, with 1,400							COAL ...	0	1	5			
gallons of water											6	4	0
per hour ...	0	0	2				Seggar-clay and						
COAL ...	0	1	0				blue metal ...	0	2	0			
				8	1	0	Soft dark blue metal	0	0	10			
Seggar-clay ...	0	2	11				COAL , soft ...	0	0	8			
Strong white post ...	0	4	1								0	3	6
Grey post ...	3	5	0				Blue metal, with						
Grey metal, with post							coal pipes ...	0	0	8			
girdles ...	2	3	2				Seggar-clay and blue						
Black stone ...	1	0	0				metal ...	0	5	6			
COAL ...	0	1	0				Grey metal ...	1	0	6			
				8	4	2	Grey metal and seg-						
Seggar-clay ...	0	3	6				gar-clay ...	0	3	6			
Grey post ...	0	3	3				Blue metal, with balls	0	1	0			
Carried forward	1	0	9	33	1	1	Carried forward	2	5	2	51	5	0

No. 2,752.—HAZLERIGG.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	5	2	5	1	5	0	Brought forward	12	4	3	5	7
COAL	0	0	2					Dark blue metal ...	0	0	1		3
				2	5	4		Hard post ...	4	0	1		
Grey metal and seg-								Dark blue metal ...	0	0	1		
gar-clay	0	1	0					COAL	0	0	4		
Grey metal and post	1	0	0								16	4	10
Grey and blue metal	0	5	0					Seggar-clay ...	0	1	4		
Hard grey metal ...	0	0	5					Hard post ...	0	2	0		
Dark blue metal ...	0	0	10					Post and grey metal	0	1	6		
COAL	0	0	8					Seggar-clay and blue					
				2	1	11		metal ...	1	0	0		
Seggar-clay ...	0	1	9					Dark blue metal ...	0	1	3		
Grey metal and post	0	5	6					<i>Beaumont Seam—</i>					
Hard post ...	4	3	2					COAL	0	3	1		
Soft seggar-clay ...	0	1	6								2	3	2
Seggar-clay ...	0	2	0					Seggar-clay ...	0	0	4		
Hard grey metal ...	0	2	4					Seggar-clay and grey					
Grey and blue metal	1	0	4					metal ...	0	2	0		
Grey metal and post	0	3	9					COAL	0	0	10		
Hard grey metal ...	0	1	6								0	3	2
Soft seggar-clay ...	0	2	3					Seggar-clay ...	0	1	4		
Grey metal and post	0	4	6					Grey metal ...	0	2	6		
Hard grey metal ...	0	1	6					Hard post ...	0	0	4		
Hard post ...	2	4	2								0	4	2
Carried forward	12	4	3	5	7	0	3	Total ...			77	3	7

No. 2,753.—HEBBURN.

TOWNSHIP OF JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 53", Long. 1° 30' 34".

*Account of Strata sunk and bored through from the Hutton Seam in a Staple,
13½ yards from the A Pit at Hebburn Colliery, 1875, 1886 and 1888.*

Approximate surface-level 65·03 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>								Brought forward	1	0	6	18	7
Depth from surface								Grey shell post ...	1	1	8		
to <i>Hutton Seam</i> ...				17	5	6		Blue metal stone ...	2	4	6		
Seggar-clay ...	0	2	11					Soft dark blue stone,					
Hard blue stone ...	0	5	1					with iron girdles	1	3	2		
Mild grey post, with								Blue stone ...	0	4	5		
hard girdles ...	1	1	5					Blue whin girdles ...	0	1	2		
Blue metal ...	0	1	10					Hard white post ...	1	3	0		
Mild grey post, with								Blue metal stone ...	0	2	4		
hard girdles ...	2	2	9					COAL	0	0	7		
Hard white post ...	2	4	0								9	3	4
COAL	0	0	1					Blue stone ...	1	1	1		
Blue stone ...	1	5	3					Blue metal stone ...	0	5	6		
COAL	0	0	9					Dark post stone ...	0	2	6		
				10	0	1		Blue metal stone ...	0	1	8		
Blue stone ...	0	4	0					Grey whin girdles ...	0	1	1		
Dark shell post ...	0	2	6					Blue stone ...	1	0	3		
Carried forward	1	0	6	18	7	5	7	Carried forward	4	0	1	19	7

No. 2,753.—HEBBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward	4	0	1	197	2	11	Brought forward	1	1	0	230	3	0		
<i>Beaumont Seam—</i>							Very hard compact								
		Ft.	In.				white post	...	0	1	0				
COAL	...	2	4				Hard post	...	1	3	0				
Clay	...	1	9				Leafy post	...	0	3	7				
COAL	...	0	7				Leafy mild post	...	1	1	6				
		—		0	4	8			Ft.	In.					
					4	4	9	COAL	...	0	2½				
Grey post	...	...	...	0	2	2		Splint band	...	0	1				
White post	...	...	...	1	5	8		COAL	...	0	5				
COAL	...	...	...	0	0	1½		Shale and coal	...	1	7				
Blue stone, with iron								COAL	...	0	6				
girdles	...	...	...	1	2	1½		Shale band	...	0	1½				
COAL	...	...	...	0	0	1½		COAL	...	1	8				
Blue stone	...	...	...	0	5	11½		COAL, splint	...	0	6				
Post and blue metal,								COAL	...	0	6				
mixed	...	...	...	0	3	2			—		0	5	7		
Grey metal, with post												5	3	8	
girdles	...	...	...	1	2	6		Hard seggar-clay	...	0	4	0			
Blue metal stone	...	...	...	0	2	7		Blue stone	...	0	0	5			
COAL	...	...	...	0	0	4		Post and blue metal,							
	—				7	0	9	mixed	...	...	0	1	9		
Blue metal stone	...	...	...	0	4	9		Post	...	...	10	0	4		
Dark post girdles	...	...	...	0	0	9		Dark blue stone	...	...	0	0	5		
Blue metal stone	...	...	...	0	5	9									
		Ft.	In.						Ft.	In.					
COAL	...	0	3					COAL, good	...	0	3				
Blue metal								COAL, inferior	...	0	2				
stone	...	1	1						—		0	0	5		
COAL	...	0	4									11	1	4	
	—			0	1	8		Strong posty seggar-							
					2	0	11	clay	...	...	0	1	3		
Blue stone	...	...	...	1	1	6		Grey metal	...	...	0	2	0		
Post and blue metal,								Blue metal	...	...	0	1	9		
mixed	...	...	...	2	2	7		COAL, good	...	...	0	0	7		
Hard white post	...	...	...	2	2	0			—			0	5	7	
		Ft.	In.					Good seggar-clay	...	...	1	0	3		
* { COAL	...	0	7					Grey metal	...	...	0	2	0		
Blue stone	...	1	3					Seggar-clay	...	...	0	1	6		
COAL	...	0	3					Grey metal	...	...	0	5	0		
	—			0	2	1		Post	...	...	3	2	8		
					6	2	2	Blue metal	...	...	0	0	2½		
Hard seggar-clay	...	...	...	0	2	6		Post	...	...	0	0	4		
Mild grey post	...	...	...	0	3	6		Blue metal	...	...	0	0	1½		
Bastard post	...	...	...	0	5	0		Post	...	...	0	2	4		
Grey metal	...	...	...	0	2	0		Blue metal	...	...	0	5	0		
COAL	...	...	...	0	0	6		COAL	...	...	0	0	1		
Mild post	...	...	...	1	0	0			—			7	1	6	
COAL	...	...	...	0	2	8		Seggar-clay	...	...	0	1	2		
	—				3	4	2	Grey metal	...	...	0	1	3		
Hard seggar-clay	...	...	...	0	1	0		Strong post	...	...	4	0	0		
Mild post	...	...	...	1	4	0		Very hard coarse post	...	...	0	3	6		
Hard post	...	...	...	6	4	6		Dark fine post	...	...	0	0	2		
COAL, coarse, with								Strong post, with							
stone bands	...	...	...	0	1	10		coal pipes	...	...	1	5	6		
	—				8	5	4	Strong post	...	...	5	0	0		
Hard seggar-clay	...	...	...	0	4	0		Leafy post	...	...	0	2	0		
Grey metal and post,								Strong post, with							
mixed	...	...	...	0	3	0		coal pipes	...	...	0	4	5		
	—							Blue stone	...	...	1	3	7		
Carried forward	1	1	0	230	3	0		COAL	...	...	0	0	1½		
									—						
								Carried forward	14	3	8½	255	3	1	

No. 2,753.—HEBBURN.—CONTINUED.

Brought forward						Fs.	Ft.	In.	Fs.	Ft.	In.
Strong coarse seg-	14	3	8½	255	3	1					
gar-clay	...	...	...	0	1	10					
COAL	...	...	...	0	0	9½					
							15	0	4		
Soft dark shale	...	...	...	0	0	4					
COAL	...	...	...	0	0	1					
Soft dark shale	...	...	...	0	0	10					
Strong seggar-clay	...	...	...	0	1	8					
Post	...	...	...	0	0	5					
Grey metal	...	...	...	0	0	6					
Post	...	...	...	0	0	5					
Blue shale	...	...	...	0	3	3					
Post stone	...	...	...	1	0	0					
Hard post	...	...	...	3	5	5					
Hard leafy post	...	...	...	1	1	2					
							7	2	1		
							277	5	6		
Bored further :—											
Very hard white post	4	5	7								
Dark grey metal, with											
thin ironstone	...	...	...	3	5	0					
Hard grey post	...	...	...	0	3	6					
Light grey metal	...	...	...	0	0	6					
COAL	...	...	...	0	0	4					
							9	2	11		
Hard white and grey											
post	...	...	...	1	4	10					
Strong grey metal,											
with ironstone											
girdles	...	...	...	1	1	5					
Very soft white post	2	3	3								
Soft dark grey metal,											
with coal	...	...	...	0	0	6					
Hard white and grey											
post	...	...	...	4	5	1					
Post	...	...	...	1	4	0					
Grey metal	...	...	...	0	0	6					
Post	...	...	...	0	5	9					
Blue metal	...	...	...	0	3	1					
Grey metal	...	...	...	0	4	6					
Post	...	...	...	1	3	0					
Hard grey post	...	...	...	0	4	11					
Blue metal	...	...	...	0	3	1					
Grey metal	...	...	...	0	0	6					
Grey post	...	...	...	0	0	7					
Carried forward	17	3	0	287	2	5					

Brought forward						Fs.	Ft.	In.	Fs.	Ft.	In.
Ironstone girdle	...	...	...	0	0	3					
Hard post	...	...	...	0	2	9					
Soft dark post	...	...	...	0	1	0					
Black stone	...	...	...	0	2	11					
Dark metal	...	...	...	0	4	0					
Black stone	...	...	...	0	0	4					
Post	...	...	...	0	1	10					
Whin	...	...	...	0	1	0					
Hard post	...	...	...	0	0	7					
Leafy post	...	...	...	0	3	3					
Grey metal	...	...	...	1	2	9					
Hard post	...	...	...	0	4	7					
Thin post panels	...	...	...	0	1	0					
Ironstone girdle	...	...	...	0	0	3					
Post	...	...	...	0	5	9					
Grey metal	...	...	...	0	4	4					
Post	...	...	...	0	2	11					
Grey metal	...	...	...	0	4	10					
Post	...	...	...	0	1	0					
Grey metal	...	...	...	0	2	0					
Post panels, with											
metal partings	...	...	...	0	1	6					
Post	...	...	...	0	2	4					
Post, with metal											
partings	...	...	...	0	2	3					
Post	...	...	...	0	1	9					
Whin	...	...	...	0	0	6					
Post	...	...	...	0	0	6					
Grey metal	...	...	...	1	0	6					
Blue stone	...	...	...	0	4	1					
Grey metal	...	...	...	0	2	6					
Post	...	...	...	0	0	9					
Whin	...	...	...	0	0	3					
Post	...	...	...	0	2	9					
Grey metal	...	...	...	0	5	2					
Black stone	...	...	...	0	1	0					
Grey metal	...	...	...	0	2	6					
Post	...	...	...	0	3	3					
Post, with thin											
metal partings	...	...	...	0	2	0					
Post	...	...	...	0	4	5					
Bastard post	...	...	...	0	0	11					
Whin	...	...	...	0	0	3					
Post, into	...	...	...	0	0	10					
										34	0 4
Total	...	...	...	321	2	9					

* The following is a section of the seam 9 yards south of the staple :—

	Ft.	In.
COAL , good ...	1	9½
Soft band ...	0	2
COAL , good ...	0	4½
Total ...	2	3¾

No. 2,757.—HEDLEY.

TOWNSHIP OF HEDLEY, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 55' 42", Long. 1° 53' 17".

Account of Strata sunk and bored through near the mouth of the Brockwell Seam Drift at Hedley Colliery, by Mr. Frank Coulson, October, 1888.

Approximate surface-level 620 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brot. forward	1	6½	2	3	6
Sandy clay ...	0	3	0				Band ...	0	1			
Stone clay ...	0	3	9				COAL , coarse	0	1			
				1	0	9			0	1	8½	
Broken freestone ...	0	4	6								2	5
Dark freestone ...	0	1	3				Grey metal ...	0	1	0		2½
Dark grey shale ...	0	1	0				Grey metal, with post					
Freestone ...	0	4	9				girdles ...	0	2	5		
Dark shale, with post							Hard brown post ...	0	4	5		
girdles ...	0	3	8				Grey post ...	0	4	4		
White post ...	1	5	8				Dark grey metal ...	0	1	9		
Dark grey post ...	0	3	9				Yellow sandstone,					
White post ...	0	3	6				with metal part-					
Dark blue shale ...	1	1	4				ings ...	0	3	6		
COAL * ...	0	0	6				Hard white post ...	1	2	8		
				6	5	11	Dark grey metal ...	0	1	8		
Fire-clay, with iron-							Light grey metal ...	0	5	10		
stone girdles ...	0	4	6				Black metal ...	0	0	11		
Blue shale, with post							COAL , bright ...	0	0	6½		
girdles ...	0	3	5								5	5
COAL * ...	0	0	6								0½	
				1	2	5	Dark grey metal ...	0	0	4½		
Fire-clay, mixed with							Light grey metal or					
post ...	0	2	0				fire-clay ...	0	2	11		
				0	2	0	Strong grey shale,					
							with post girdles	1	0	9		
				9	5	1	Hard white post and					
<i>Bored further:—</i>							yellow freestone ...	1	4	0		
White post ...	1	0	0				Yellow freestone, with					
Grey post ...	0	3	6				open partings: lost					
Yellow freestone ...	0	4	7				water in bore-hole					
Blue shale ...	0	1	5				and staple ...	1	3	6		
<i>Eltringham Cannel</i>							Hard white post, with					
<i>Coal Seam—</i>							hard girdles ...	2	5	0		
COAL ...	1	0½					Dark grey shale, with					
Band ...	0	2					post girdles ...	5	0	10		
COAL , coarse,							Hard whin, into ...	0	0	8		
with black											13	0
stone ...	0	4									0½	
Car. forward	1	6½	2	3	6	9	Total ...				31	3
						1					4½	

*These two small seams are the same seams as are met with in the No. 2 Bore-hole (No. 2,758), the depth below the *Brockwell Seam* to the lower one being 15 fathoms 1 foot 6 inches.

No. 2,758.—HEDLEY.

TOWNSHIP OF HEDLEY, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 55' 42", Long. 1° 53' 24".

Account of Strata passed through in the No. 2 Bore-hole at Hedley Colliery, by Mr. Frank Coulson.

Approximate surface-level 560 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and stones ...	0	2	6				Brought forward	4	2	2	4	3	1
				0	2	6	Light grey shale ...	1	2	2			
Dark grey shale ...	0	4	6				COAL ...	0	0	10			
Yellow freestone and											5	5	2
grey post, with							Light grey shale ...	0	0	4			
water ...	1	0	0				Grey whin ...	0	0	11			
Dark grey shale ...	0	4	8				Strong yellow free-						
Black shale ...	0	1	7				stone: lost water						
Light grey shale ...	0	1	8				here ...	1	4	6			
<i>Brockwell Seam—</i>							Dark grey shale ...	0	1	6			
COAL ...	2	5					Yellow freestone,						
Dark grey							with white post						
post and							panels ...	2	5	7			
shale ...	2	10					Strong dark grey						
COAL ...	0	11					post ...	1	2	0			
				1	0	2	Dark grey metal ...	0	5	0			
						4	Black metal... ..	0	1	4			
Black shale ...	0	2	7				COAL* ...	0	0	5			
Grey post, with shale											7	3	7
partings and yellow							Black shale ...	0	0	3			
freestone, with							Seggar-clay, with						
water ...	2	1	4				ironstone balls ...	0	4	3			
Dark grey shale, with							Dark grey shale, with						
thin post girdles	1	1	2				post girdles ...	0	5	9			
Black shale ...	0	0	4				COAL* ...	0	0	6			
Black shale, mixed											1	4	9
with coal ...	0	0	6				Grey shale, into ...	0	1	0			
Seggar-clay ...	0	2	3								0	1	0
Carried forward	4	2	2	4	3	1	Total ...				19	5	7

* These two small seams are the same seams as are met with in the Staple (No. 2,757) sunk from the surface about 60 yards west of this Bore-hole.

No. 2,759.—HEDLEY HILL.

TOWNSHIP OF CORNSAY, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Account of Strata sunk through to the Main Coal Seam at Hedley Hill Colliery.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	3	1	0			
Post ...	0	5	6				Fine soft blue metal	1	5	9			
Blue metal ...	0	1	6				Post ...	0	2	4			
Post ...	1	5	0				Blue metal ...	0	0	7			
Carried forward	3	1	0				Carried forward	5	3	8			

No. 2,759.—HEDLEY HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	3	8				Brought forward	1	2	5	17	3	5
Post ...	0	0	8				Grey metal ...	0	3	6			
Blue metal ...	0	2	2				Blue metal ...	0	4	11			
Post ...	0	0	6				Post ...	0	0	3			
Blue metal ...	0	0	11				Blue metal ...	0	1	1			
Post ...	0	0	7				Post ...	0	0	2			
Blue metal ...	1	2	11				Blue metal ...	0	2	1			
Post ...	0	5	11				Very hard post	0	0	3			
COAL ...	0	0	2				Blue metal ...	0	1	9½			
				8	5	6	<i>Ballarat Seam—</i>						
Fire-clay ...	0	0	9				COAL ...	0	1	3½			
Post ...	0	1	1								3	5	9
Blue metal ...	0	5	11				Fire-clay ...	0	4	7			
Post ...	0	0	9				Post ...	3	5	9½			
Blue metal ...	0	0	3				Blue metal ...	0	0	5			
Post ...	0	1	0				<i>Five-Quarter Seam—</i>						
Blue metal ...	0	5	5				COAL, good	2	8				
Post ...	0	0	6				COAL, coarse	0	5				
Blue metal ...	0	3	4							0	3	1	
Post ...	0	0	8								5	1	10½
Blue metal ...	0	0	2				Fire-clay ...	0	3	9			
Mixed post ...	0	4	4				Post ...	6	4	6			
Blue metal ...	0	0	8½				Blue metal ...	0	4	6			
Post ...	0	1	2				COAL ...	0	0	10			
Blue metal ...	0	0	1½								8	1	7
Post ...	0	5	10				Fire-clay ...	0	4	6			
COAL ...	0	0	3				Blue metal ...	5	1	6			
				5	2	3	Post ...	0	1	6			
Fire-clay ...	0	2	11				Grey metal ...	0	2	3			
Post ...	0	0	3				Post ...	0	1	0			
Blue metal ...	2	0	0				Blue metal ...	0	3	3			
<i>Three-Quarter Seam—</i>							<i>Main Coal or Brock-</i>						
COAL ...	0	2	0				<i>well Seam—</i>						
				2	5	2	COAL ...	0	3	0			
Fire-clay ...	0	1	10								7	5	0
COAL ...	0	0	8				Fire-clay, good	0	2	6			
				0	2	6					0	2	6
Fire-clay ...	0	5	5										
Blue metal ...	0	3	0										
Carried forward	1	2	5	17	3	5	Total ...				43	2	1½

No. 2,760.—HEIGHINGTON.

TOWNSHIP OF ARCHDEACON NEWTON, DURHAM.

Sheet 48 of Ordnance Map. Lat. 54° 33' 52", Long. 1° 36' 26".

Account of Strata passed through in a Bore-hole 40 yards from the Farm House at Coldside, near Heighington.

Approximate surface-level 275 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	0	3	0				Brought forward	3	1	0			
Clay and gravel ...	1	3	0				Sand, with stones ...	0	3	0			
Clay, gravel and stone	0	3	0				Sand ...	0	1	0			
Sand ...	0	4	0				Sand and clay ...	0	5	0			
Carried forward	3	1	0				Carried forward	4	4	0			

No. 2,760.—HEIGHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	4	0				Brought forward	13	0	11	35	1	5
Clay, with loose stones ...	0	2	0				Grey whin ...	0	5	0			
Sand and clay ...	0	4	0								13	5	11
Clay and gravel ...	0	1	0				<i>Limestone</i> ...	0	1	1			
Blue whin stone ...	0	0	6				Grey whin ...	3	4	2½			
Clay and gravel ...	0	3	6				Black shale ...	4	4	11			
Clay, with stones ...	0	1	0				<i>Grey limestone</i> ...	0	4	4			
Boulder ...	0	0	9				Black shale ...	0	2	4			
				6	4	9	<i>Grey limestone</i> ...	0	1	5			
Soft limestone ...	0	4	6				Black shale ...	0	1	8			
Limestone ...	0	1	9				<i>Grey limestone</i> ...	0	0	7			
Clay ...	0	0	8				Black shale ...	2	2	0			
Limestone ...	0	2	9				<i>Grey limestone</i> ...	0	1	8			
Conglomerate ...	0	0	3				Black shale ...	0	2	10½			
Soft sandstone ...	1	1	1				Grey sandstone ...	0	4	1			
Hard limestone ...	0	0	3				<i>Limestone</i> ...	0	1	4			
Soft sandstone ...	0	3	0				<i>Grey limestone</i> ...	1	2	5			
Limestone ...	0	1	0				Grey sandstone ...	0	3	9			
Sandstone ...	0	2	6				Blue shale ...	2	2	9			
Limestone and gravel	2	0	3				Grey sandstone ...	1	5	1½			
Limestone ...	19	3	3				Blue shale ...	0	3	4			
Blue limestone ...	2	5	5				Calcareous shale ...	0	1	7			
				28	2	8	Black shale ...	1	3	6			
Shale ...	2	2	3½				Grey rock ...	1	3	11			
Blue clay ...	0	0	6				Calcareous shale ...	2	1	11½			
Shale ...	5	0	0				Black shale ...	1	3	2			
Grey whin ...	0	0	6				White sandstone ...	4	4	9			
Blue shale ...	1	4	7				Shale ...	0	0	10			
Grey whin ...	2	2	8½				Black shale ...	0	2	10			
Blue shale ...	0	4	4				White sandstone ...	1	1	6			
Grey whin ...	0	2	6				Black shale ...	10	4	7			
Black shale ...	0	1	6				<i>Grey limestone</i> ...	1	1	1			
							<i>Limestone</i> ...	0	3	9			
Carried forward	13	0	11	35	1	5					47	5	4
							Total ...				97	0	8

No. 2,761.—HENDON.

TOWNSHIP OF BISHOP WEARMOUTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. , Long.

Account of Strata sunk and bored through in a Well at the Hendon Paper-works, Hendon, near Sunderland, 1894 and 1896.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward				20	5	0
Clay ...	2	3	0				<i>Bored further:—</i>						
				2	3	0	Gravel and cement...	0	3	0			
Limestone ...	2	3	6				Limestone and marl	1	4	6			
Marl ...	1	5	7				Soft limestone, with						
Limestone and marl	2	1	0				water ...	5	0	0			
Limestone ...	5	4	4				Hard limestone ...	1	1	0			
Marl, with water...	5	5	7				Limestone, with hard						
				18	2	0	girdles ...	0	5	0			
Carried forward				20	5	0					9	1	6
							Carried forward				20	5	0

No. 2,761.—HENDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	1	6	20	5	0	Brought forward	23	2	3	20	5	0
Hard limestone, with soft partings ...	1	0	4				Hard yellow limestone ...	2	2	7			
Marl ...	0	3	9				Hard blue limestone	2	0	0			
Hard limestone ...	0	3	7				Yellow limestone ...	0	2	0			
Brown limestone ...	2	0	0				Hard blue limestone	1	3	0			
Yellow limestone, with soft partings	9	2	7				Hard grey limestone	0	5	7			
Soft yellow limestone	0	2	6				Soft sand, with water	9	0	7			
							Shale ...	0	0	6			
											39	4	6
Carried forward	23	2	3	20	5	0	Total ...				60	3	6

No. 2,762.—HENSHAW.

TOWNSHIP OF HENSHAW, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 2 Bore-hole at Henshaw, for Sir Edward Blackett, Bart., 1857.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	22	4	3	3	5	0
Sand and gravel, with water ...	3	4	0				COAL ...	0	0	5			
				3	5	0					22	4	8
Brown and grey rotten post ...	1	1	9				Grey metal ...	0	3	6			
Grey metal stone, with water ...	4	3	3				White post ...	2	1	6			
Brown and grey post, with water ...	6	0	6				Grey metal ...	0	1	3			
Grey metal stone, with water ...	8	0	3				COAL , good	Ft. In.					
Little Limestone, strong blue, with water ...	2	4	6				COAL , sulphurous ...	0	3				
										0	2	3	
											3	2	6
Carried forward	22	4	3	3	5	0	White post, into ...						
							Total ...				30	0	2

No. 2,763.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 9' 55", Long. 1° 38' 45".

Account of Strata passed through in a Bore-hole at Shadfen, about 400 yards to the North-west from Mr. Gowens' House, November 16th, 1753.

Approximate surface-level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	1	6				Brought forward	1	5	6			
Sand, with water ...	0	4	0				Stony clay ...	1	5	9			
Soft clay, mixed with sand ...	1	0	0								3	5	3
							Grey metal ...	3	1	0			
Carried forward	1	5	6										
							Carried forward	3	1	0	3	5	3

No. 2,763.—HEPSCOTT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	1	0	3	5	3	Brought forward	11	3	0	11	1	3
Grey post ...	...	0	1	6			COAL ...	...	0	0	6		
Grey scamy metal...	3	2	0								11	3	6
	Ft.	In.					Grey metal ...	...	0	3	6		
COAL , foul...	0	6					Black metal, with						
Grey metal ...	1	8					sparkles of coal...	0	0	5			
COAL ...	1	4					COAL ...	...	0	0	8		
			0	3	6						0	4	7
				7	2	0	Black metal, mixed						
Grey metal ...	0	0	5				with coal ...	...	0	0	2		
Grey post, with metal							Grey metal, with post						
partings ...	1	2	0				girdles and water	1	2	6			
Grey metal and								Ft.	In.				
metal stone ...	0	4	9				COAL , brassy						
Soft grey and brown							at top ...	0	9				
scamy post ...	0	3	0				COAL , foul						
Brown and grey post:							slaty, mixed						
set away the water	1	2	7				with brass...	0	2				
Grey metal stone ...	1	3	0				COAL , brassy						
Black metal...	0	3	0				near bottom	1	5				
Grey metal stone ...	0	1	0						0	2	4		
Grey and brown											1	4	10
scamy post ...	0	5	3				Grey metal ...	...	0	1	0		
Grey metal stone, with								Ft.	In.				
post girdles ...	1	1	6				COAL , with						
Soft brown post ...	0	2	3				scare bands	0	9				
Grey and brown							Black metal...	0	3				
scamy metal ...	0	3	0				COAL ...	2	0				
Soft grey and brown									0	3	0		
post ...	0	3	6								0	4	0
Thready brown post:							Grey metal, into ...	0	1	6			
set away the water	1	2	0								0	1	6
Grey metal ...	0	1	9										
Carried forward	11	3	0	11	1	3	Total ...	...	26	1	8		

No. 2,764.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 43", Long. 1° 38' 31".

Account of Strata passed through in a Bore-hole at Shadfen, about 60 yards to the South from Mr. Gowens' House and 6 yards to the South-west from the first Bore-hole (No. 2,763), 1758.

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown sand ...	1	2	0				Brought forward	9	5	6			
Brown sand, with							Sand, with water ...	0	0	6			
water ...	4	3	0				Stony clay ...	...	0	5	6		
Soft sleeky clay, mixed											10	5	6
with sand ...	1	5	0				Grey and brown post,						
Leafy clay ...	0	2	0				with soft black						
Soft stony clay, with							and brown cashy						
some small beds of							partings ...	1	1	6			
sand ...	1	3	6				Black and grey cashy						
Leafy clay, mixed							metal ...	0	2	9			
with sand ...	0	2	0				Black metal ...	0	0	6			
Carried forward	9	5	6				Carried forward	1	4	9	10	5	6

No. 2,764.—HEPSCOTT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	9	10	5	6	Brought forward	2	4	6	13	3	0
Grey and blue metal	0	3	9				Black metal, scared						
COAL	...	...	0	1	0		with coal or coal						
				2	3	6	pipes	...	...	0	1	0	
Grey metal	...	0	0	6			Soft blue and grey						
Soft grey post	...	0	4	0			metal	...	...	0	2	0	
Grey metal	...	0	2	0			Grey metal stone	...	...	0	2	9	
Grey, black and dun							Blue metal	...	...	0	0	3	
scamy metal	...	0	1	6			COAL, into, 5 inches,						
Grey and blue metal	...	0	4	0			supposed to be	...	...	0	2	3	
Soft grey post	...	0	4	6							4	0	9
Carried forward	2	4	6	13	3	0	Total	...	...	17	3	9	

No. 2,765.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 16", Long. 1° 39' 3".

Account of Strata passed through in the No. 1 Bore-hole near the Red House Farm, Hepscoth, 1899.

Approximate surface-level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, clay and							Brought forward				60	4	9
gravel	...	30	1	3			Thill	...	...	0	0	11	
				30	1	3	Grey metal, with post						
COAL, bad	...	0	5	1			panels	...	...	3	2	11½	
				0	5	1	COAL	...	...	0	0	11	
Thill	...	0	1	4							3	4	9½
Metal, with post							Thill	...	...	0	3	7	
bands	...	4	3	8			Light metal, with						
COAL, bad	...	0	0	8			post panels	...	...	4	5	0	
				4	5	8							
Thill	...	0	0	6			COAL	...	...	1	3½		
Grey metal, with post							Band	...	...	0	6½		
bands	...	7	3	8			COAL	...	...	1	0		
Post	...	1	2	7							0	2	10½
Grey metal	...	0	2	10							5	5	5½
Post	...	2	0	7			Thill	...	...	0	1	10	
Metal, with post							Grey metal, with post						
bands	...	5	0	1			panels	...	...	2	5	4½	
COAL	...	0	0	2			COAL	...	...	0	0	3	
				16	4	5					3	1	5½
Thill	...	0	3	3			Thill	...	...	0	4	5	
Post and grey metal	...	1	5	3			Black band	...	...	0	0	4	
COAL	...	0	2	0			COAL	...	...	0	0	5	
				2	4	6					0	5	2
Thill	...	0	2	7			Thill	...	...	0	1	0	
Grey metal, with post							Grey metal, with post						
bands	...	3	3	11			panels	...	...	0	4	2	
Blue metal, with post							Blue metal, with post						
bands	...	0	5	4			panels	...	...	1	2	3	
							Post	...	...	0	5	3	
COAL	...	1	5				Ironstone panel	...	...	0	0	2½	
Band	...	0	2				Blue metal	...	...	0	3	3	
COAL	...	0	5				Post	...	...	0	4	6	
				0	2	0					4	2	7½
				5	1	10	Total	...	...	79	0	2¾	
Carried forward				60	4	9							

No. 2,766.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 34", Long. 1° 39' 0½".

Account of Strata passed through in the No. 2 Bore-hole at Hepscott, 1899.

Approximate surface-level 172 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, clay and gravel	19	2	0				Brought forward	7	4	6	59	5	0
Post ...	0	0	11				Dark metal ...	0	5	3			
Loamy clay ...	1	5	3				Post ...	1	3	9			
Rubble clay ...	3	5	0				Hard post ...	0	3	0			
				25	1	2	Dark metal ...	0	4	9			
COAL , outcrop ...	0	1	0				Post band ...	0	0	9			
Seggar-clay ...	1	2	1				Grey metal ...	0	2	8			
Black <i>coaly</i> matter...	0	4	9				Strong post band ...	0	1	2			
Seggar-clay ...	0	2	9				Mild post band ...	0	2	8			
Post ...	1	0	3				Grey metal ...	0	2	1			
Strong dark clay ...	0	1	3				Hard post ...	0	0	8			
Strong seggar-clay...	0	3	9				Mild post ...	0	0	9			
Boulder ...	0	0	9				Hard post ...	0	1	9			
Rubble clay ...	1	1	0				Mild post ...	0	3	9			
Post ...	0	0	9				Grey metal ...	0	4	4			
Boulder ...	0	0	9				COAL ...	0	1	0			
Rubble clay...	0	4	3								15	0	10
				6	5	4	Seggar-clay ...	0	1	6			
Post ...	5	5	6				Strong post ...	0	3	6			
Seggar-clay ...	1	1	0				Grey metal ...	0	3	2			
Metal ...	0	4	0				Light metal ...	1	3	0			
Post ...	0	1	6				Blue metal ...	1	0	6			
Metal ...	1	1	0				Post panel ...	0	1	3			
Post ...	0	4	6				Blue metal ...	0	0	9			
Metal ...	0	1	6				Metal, with iron balls	0	2	0			
Post ...	2	2	6				Metal, with girdles	0	1	9			
COAL ...	0	1	10				Post panel ...	0	1	1			
				12	5	4	Blue metal ...	3	0	2			
Seggar-clay ...	0	4	2				Metal, with post						
Grey metal ...	0	2	8				panels ...	0	3	6			
Post ...	3	3	10				Strong post ...	4	1	9			
Metal ...	0	2	0				Dark metal ...	0	0	6			
Blue metal ...	2	0	1				COAL ...	0	1	0			
COAL ...	0	2	5								13	1	5
				7	3	2	Hard post panel ...	0	0	4			
Seggar-clay, with							Dark metal ...	0	3	6			
ironstone balls ...	1	0	2				Strong post ...	0	1	4			
Post and blue metal	3	2	7				Metal ...	0	2	11			
Black band ...	0	0	3				Mild post ...	0	2	2			
Grey metal ...	0	4	0				Dark metal ...	0	0	6			
Grey metal, with iron-							Grey metal ...	0	4	4			
stone girdles ...	2	0	2				Post ...	0	0	8			
COAL ...	0	0	10				Grey metal ...	0	1	0			
				7	2	0	Light metal ...	0	2	3			
Seggar-clay ...	0	1	9				Mild post ...	0	1	2			
Grey metal and post	2	3	9				Grey metal ...	0	5	1			
Post ...	2	1	7				Post panels ...	0	0	5			
Very strong post ...	1	0	11				Grey metal ...	2	0	7			
Post ...	1	2	6				Post ...	6	0	8½			
											12	2	11½
Carried forward	7	4	6	59	5	0	Total ...	100	4	2½			

No. 2,767.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8' 43", Long. 1° 39' 15".

Account of Strata sunk and bored through in the Isabella Pit, Hepscott Collicry.
 Approximate surface-level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward						
Clay	12	0	0								7	5	2 32
				12	0	0							2 8
Post	7	0	0										
COAL	0	2	3										
				7	2	3							
Blue metal ...	6	3	0								0	3	5
<i>Hepscott Seam—</i>											8	2	7
COAL	0	2	4										
				6	5	4							
				26	1	7							
<i>Bored further:—</i>													
Seggar-clay ...	0	2	0										
Blue metal ...	0	3	11										
Hard grey post	0	2	5										
Blue metal ...	0	1	3										
Blue metal, with coal													
pipes	0	0	5										
COAL	0	0	7										
				1	4	7							
Dark blue metal ...	1	3	4										
Dark blue metal,													
with iron balls ...	0	0	6										
Blue metal ...	0	4	1										
COAL	0	0	1										
Blue metal ...	1	3	5										
Bluemetal, with post													
panels	0	1	8										
COAL	0	1	5										
				4	2	6							
Seggar-clay ...	0	0	5										
Strong blue metal,													
with post panels...	0	2	0										
Grey post, with blue													
panels	0	1	7										
Dark sandy post	0	0	11										
Blue metal ...	0	0	7										
Dark sandy post	0	2	0										
Dark blue metal,													
mixed with iron ...	0	0	6										
Blue metal ...	0	2	0										
Blue metal, with coal													
pipes	0	0	4										
Seggar-clay ...	0	1	8										
Grey and blue post	2	1	0										
Blue metal ...	0	1	2										
Grey post and blue													
metal	0	2	11										
Grey and white post	2	4	3										
Blue metal ...	0	1	10										
Carried forward	7	5	2 32	2	8								
							Total						
							51 0 1						

No. 2,768.—HERRINGTON.

TOWNSHIP OF OFFERTON, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 35", Long. 1° 28' 10".

Account of Strata sunk through in the No. 2 Pit, New Herrington Colliery, 1874.

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	18	3	2	26	2	8
Clay	4	0	8				Strong grey metal,						
Clay, with sand part-							ings	2	0	8			
ings	2	0	4				Dark grey post ...	0	5	4			
Sand, with water ...	0	3	10				Dark grey post, with	0	2	6			
Strong brown clay,							metal partings ...	1	4	0			
with stones	2	2	4				Dark grey post, with						
Strong blue clay,							water	2	3	2			
with stones	2	0	8				Grey metal	0	0	6			
Marl, with stones ...	2	3	0				Grey post	0	4	0			
				13	5	10	Grey post, with water	0	5	6			
Soft grey metal ...	4	2	6				Grey metal	3	3	0			
Strong grey metal ...	6	1	8				COAL	0	0	2			
Soft grey metal,											31	2	0
with water	1	2	0				Post	1	1	2			
Dark metal	0	1	0				Grey metal	1	2	2			
Black stone	0	0	6				COAL	0	0	4			
COAL	0	1	2								2	3	8
				12	2	10	Seggar-clay	0	4	0			
Seggar-clay, with							Grey metal	1	2	6			
water	0	3	0				COAL	0	1	2			
Grey metal, with											2	1	8
water	0	3	0				Thill stone	0	4	0			
Strong post, with							Grey metal	1	3	0			
water	2	0	0				Hard post	0	1	8			
Brown post	0	2	0				Grey metal	0	5	2			
Grey metal	0	0	8				Blue metal	0	4	0			
White post	0	3	0				COAL	0	1	2½			
Grey metal parting	0	0	2								4	1	0½
White post	1	3	0				Thill stone	0	2	0			
Soft grey metal part-							Grey metal	0	5	0			
ing, with water ...	0	0	2				Blue metal	0	0	10½			
Brown post	1	4	6				COAL	0	1	3			
Grey post	0	5	10								1	3	1½
Soft yellow parting,							Thill stone	0	2	8			
with water	0	0	1				Grey metal	3	4	0			
White post	0	5	0				Strong post	1	2	0			
Brown post, with							Grey metal	2	0	0			
water	0	4	10				Black stone and coal	0	1	6			
Grey post	0	4	7				COAL	0	1	2			
White post, with											7	5	4
coal pipes	2	0	0				Seggar-clay	0	1	0			
Soft grey metal ...	2	4	10				Post	0	2	0			
Strong grey metal ...	2	0	6				Grey metal	0	2	0			
Dark grey post ...	0	1	2				Post	0	0	6			
Strong grey metal,							COAL	0	0	5½			
with water	0	4	0								0	5	11½
Dark grey post ...	0	0	10										
Carried forward	18	3	2	26	2	8	Carried forward				77	1	5½

No. 2,768.—HERRINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				77	1	5½	Brought forward	2	2	6	118	2	11
Black shelly stone...	0	2	6				Grey metal ...	3	2	0			
Grey metal ...	2	4	0				Blue metal ...	0	2	0			
Grey metal, with post							<i>Five-Quarter Seam—</i>						
girdles ...	3	2	0				COAL ...	0	3	3			
Post ...	2	4	6								6	3	9
Grey metal ...	2	5	6				Thill stone ...	0	3	0			
COAL ...	0	0	6				Post, with metal						
				12	1	0	partings ...	1	0	0			
Seggar-clay ...	0	1	0				Grey metal ...	3	4	10			
Post ...	0	4	0				Post girdles...	0	4	6			
Grey post ...	0	2	5				Blue metal ...	2	0	0			
Post girdles, with							Grey metal ...	1	4	0			
grey metal partings	0	3	7				Post ...	0	1	3			
COAL ...	0	0	6				Blue metal ...	1	5	1			
				1	5	6	<i>Main Coal Seam—</i>						
Seggar-clay ...	0	0	8				COAL ...	1	1	4			
Post ...	0	4	0								13	0	0
Blue metal ...	1	5	6				Thill stone ...	0	2	6			
Leafy post ...	2	5	0				Grey metal ...	2	0	6			
Blue metal ...	1	0	4				Blue metal ...	2	3	1			
Post ...	0	3	4				Post ...	1	4	0			
Blue metal ...	0	2	8				Blue metal ...	0	2	6			
COAL, splint	0	1	0½				<i>Maudlin Seam—</i>						
				7	4	6½	COAL ...	0	5	7			
Black stone ...	0	3	0								8	0	2
Seggar-clay ...	0	0	8				Seggar-clay ...	0	1	6			
Grey metal ...	7	5	10				Grey metal ...	2	2	7			
COAL ...	0	1	8				COAL ...	0	0	11			
				8	5	2					2	5	0
Grey metal ...	1	5	6				Thill stone ...	0	2	3			
Blue metal ...	0	1	6				Grey metal ...	7	0	0			
COAL	Ft. In.						Post, with metal						
Black slaty	1	4					partings ...	1	1	0			
stone and							Hard post ...	4	1	9			
coal	2	0					<i>Low Main Seam—</i>						
COAL	0	11					COAL ...	0	2	0			
				0	4	3					13	1	0
Black stone and coal	1	1	8				Thill stone ...	0	1	8			
Thill stone ...	0	2	6				Grey metal ...	1	2	4			
Grey metal ...	0	1	5				Post ...	2	3	0			
Post ...	3	2	1				Grey metal, with post						
Grey metal ...	0	4	10				girdles ...	0	5	6			
Post ...	0	5	6				Post ...	1	1	0			
Blue metal ...	0	2	2				Blue stone ...	1	0	2			
COAL ...	0	1	10				<i>Hutton Seam—</i>						
				7	4	0	COAL ...	0	2	10			
Thill stone ...	0	2	0								7	4	6
Grey metal, with post							Thill stone ...	0	3	0			
girdles ...	2	0	6				Grey metal ...	0	4	0			
											1	1	0
Carried forward	2	2	6	118	2	11	Total ...				171	0	4

No. 2,769.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56' 19", Long. 1° 33' 28".

Account of Strata sunk and bored through in a Staple below the Beaumont Seam at Heworth Colliery, 1887 and 1888.—Continuation of No. 1,163.

Approximate surface-level 383 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							<i>Brought forward</i>	1	0	0	24	5	4
Hard post ...	...	4	1	0			Soft blue sandstone,						
	Ft. In.						with partings ...	0	4	0			
COAL ...	0 11						Hard grey post ...	2	0	0			
Blue stone ...	0 1						Grey post, mixed with						
COAL ...	0 1						blue ...	1	3	5			
Blue stone ...	0 2						Soft post, with part-						
COAL ...	0 6						ings ...	0	3	0			
		0	1	9			Post ...	1	0	0			
				4	2	9	Hard grey post ...	1	3	6			
Seggar-clay ...	0 4 6						COAL ...	0	2	0			
Hard post, with blue											8	3	11
partings ...	1 1 6						Seggar-clay ...	0	3	0			
Seggar-clay ...	0 3 6						Hard grey post ...	0	4	0			
Hard post, inclined							Hard post, with						
to whin ...	6 5 3						partings ...	1	0	0			
	Ft. In.						Strong white post ...	8	0	0			
COAL ...	1 2						Whin ...	0	2	9			
Seggar-clay ...	0 4½						Strong white post ...	0	3	0			
COAL ...	0 5½						Post girdles ..	0	1	9			
		0	2	0							11	2	6
				9	4	9							
Seggar-clay ...	0 1 6										44	5	9
Blue metal ...	2 0 10						<i>Bored further:—</i>						
COAL ...	0 1 10						Mild post ...	0	3	0			
		2	4	2			COAL ...	0	0	3			
Seggar-clay ...	0 1 6										0	3	3
Post girdle ...	0 0 6						Strong white post ...	1	4	0			
Blue metal ...	0 4 10						Whin ...	0	1	9			
Post girdle ...	0 0 8						Seggar-clay ...	0	5	0			
Hard post ...	1 3 7						COAL ...	0	0	4			
Hard post, with											2	5	1
partings ...	0 2 0						Seggar-clay ...	0	2	8			
Blue metal ...	0 0 5						Mild post ...	0	3	0			
Hard post girdle ...	0 1 2						Blue metal ...	0	4	6			
Blue metal ...	0 0 2						Strong white post ...	0	2	0			
Hard post girdle ...	0 2 5						Strong grey post ...	0	4	0			
Blue metal ...	0 0 4						Blue metal ...	0	3	6			
Hard post, with							Hard grey post ...	1	4	0			
partings ...	1 4 0						Blue metal ...	1	0	0			
Mild post ...	0 1 6						COAL ...	0	0	6			
Seggar-clay ...	0 3 6										6	0	2
Hard post, with							Seggar-clay ...	1	0	0			
partings ...	0 3 0						COAL ...	0	1	0			
Hard post, inclined											1	1	0
to whin ...	0 2 6						Blue metal ...	0	4	6			
Post girdle ...	0 0 10						Hard grey post ...	1	0	0			
Blue metal ...	0 1 2						Blue metal ...	0	1	0			
COAL ...	0 1 7						Strong white post ...	1	3	0			
		7	5	8			Blue metal ...	0	0	6			
Seggar-clay ...	1 0 0						Strong white post ...	2	3	6			
											6	0	6
Carried forward	1	0	0	24	5	4	Total ...				61	3	9

No. 2,770.—HIGHLAWS.

TOWNSHIP OF HIGH AND LOW HIGHLAWS, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 11' 31", Long. 1° 42' 50".

Account of Strata passed through in a Bore-hole at Highlaws, near Morpeth, on the West side of the Turnpike and about 60 yards from Warrener's House, 1897.

Approximate surface-level 310 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	2	5	8				Brought forward	7	4	4	2	5	8
				2	5	8	Very dark blue shale	1	1	2			
Blue shale ...	1	5	0				Brown whin ..	0	0	8			
White post, with							White metal...	0	0	7			
metal partings ...	0	5	4				Strong white post ...	0	5	5			
Blue shale ...	0	3	1				Dark blue shale ...	0	5	2			
Grey post ...	0	3	3				COAL ...	0	0	5			
Dark blue shale ...	0	2	5								10	5	9
Whin ...	0	0	10				Fire-clay ...	0	2	8			
White post ...	0	5	3				White post, with						
Light blue shale,							water ...	0	4	3			
with iron bands ...	2	3	2								1	0	11
Carried forward	7	4	4	2	5	8	Total ...				15	0	4

No. 2,771.—HINDLEY.

TOWNSHIP OF BROOMLEY, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole on the Side of the Burn, about 20 yards below the Dam, May, 1872.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Ironstone ...	0	1	6				Brought forward	9	3	4	1	2	10
Light grey metal ...	0	4	6				Dark metal ...	0	4	2			
Dark grey metal ...	0	2	8				Hard grey post, with						
COAL ...	0	0	2				metal partings and						
				1	2	10	water ...	5	3	0			
Grey metal ...	0	3	9				Grey metal ...	0	1	5			
Dark metal ...	0	0	9				Blue metal ...	0	4	6			
Coal pipe ...	0	0	1				Hard girdle ...	0	2	5			
Dark metal ...	0	1	8				Grey metal ...	0	3	3			
Hard grey post ...	0	4	0				Grey post, with metal						
Grey metal ...	0	2	8				partings and water	2	0	11			
Grey post, with metal							Dark grey metal ...	0	4	0			
partings and water	1	0	9				Dark grey post ...	1	0	8			
Grey post, with water	1	3	2				Grey metal ...	1	3	0			
Blue metal, with							Dark grey metal,						
post girdles and							with coal pipes at						
water ...	1	3	9				bottom ...	0	1	4			
Strong grey metal ...	1	0	7				Grey metal ...	1	1	6			
Dark metal, with post							Hard grey post ...	0	4	0			
girdles ...	0	4	8				Strong dark metal ...	1	0	5			
Mild grey post ...	1	1	6				Grey metal ...	0	1	2			
Carried forward	9	3	4	1	2	10	Carried forward	26	3	1	1	2	10

No. 2,771.—HINDLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	26	3	1	1	2	10	Brought forward	29	1	6	1	2	10
Strong dark grey metal ...	0	4	0				Conglomerate ...	0	5	8			
Hard grey post, with water ...	0	4	3				Grey post, with metal partings ...	0	5	6			
Dark grey metal ...	0	1	9				Dark grey metal ...	0	4	5			
Hard grey post, with metal partings and water ...	0	3	5				Hard grey post ...	0	4	10			
Dark grey metal, with ironstone girdles ...	0	3	0				Dark grey metal, with post girdles...	1	0	6			
											33	4	5
Carried forward	29	1	6	1	2	10	Total ...				35	1	3

No. 2,772.—HINDLEY.

TOWNSHIP OF BROOMLEY, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole in a Field on the North-east Boundary of Wheelbirks Farm, near Stocksfield. Commenced October 8th, 1877.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	9				Brought forward	14	2	4	4	2	6
Soft brown clay ...	0	5	0				Very hard white post	0	3	6			
Soft blue clay ...	0	2	6				Mild white post, with hard girdles	0	4	6			
Hard brown stony clay ...	2	5	3				Open space ...	0	3	0			
				4	2	6					16	1	4
Soft yellow freestone	0	1	6				Hard grey post ...	0	1	0			
Strong yellow freestone ...	1	0	6				Mild dark grey post, with hard girdles	1	3	6			
Very soft freestone, with metal partings ...	0	5	0				Very dark grey metal, with coal pipes ...	1	5	3			
Dark seggar-clay, mixed with freestone ...	1	0	6				Light seggar-clay ...	1	0	0			
Yellow freestone, with metal partings and a little water ...	3	0	0				Hard girdles	0	0	9			
Strong light freestone, with soft partings and a little water ...	2	3	6				Light grey metal ...	0	0	5			
Mild yellow freestone	0	4	6				Very hard girdle ...	0	0	4			
Strong white post, with soft partings and water...	1	5	4				Light grey post, with metal partings ...	0	4	8			
White spar, supposed leader of a trouble	1	2	4				Light grey metal ...	0	1	6			
Dark grey metal, with pyrites ...	1	3	2				Very hard whin ...	0	1	3½			
							Strong dark grey post ...	0	2	0			
Carried forward	14	2	4	4	2	6	Dark grey metal, with post girdles	0	5	0			
							Light grey post, with metal partings ...	0	3	0			
							Hard white post, with much water ...	3	5	0			
							Dark grey metal, with hard girdles	0	5	6			
							Very hard whin ...	0	3	4½			
							Carried forward	13	0	7	20	3	10

No. 2,772.—HINDLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	13	0	7	20	3	10	Brought forward	18	5	1	20	3	10
Strong grey post, with metal partings ...	0	2	0				Black metal, with post girdles ...	0	5	0			
Hard grey post, with whin girdles ...	0	2	10				Hard grey post ...	0	3	0			
Dark grey metal ...	0	3	0				Black metal, with post girdles ...	0	4	0			
Hard whin ...	0	1	0				Hard grey post ...	0	4	6			
Dark grey metal, with post girdles ...	1	1	6				Dark grey metal ...	3	1	0			
Mild white post, with metal partings ...	0	3	0				Hard grey post ...	0	2	4			
Hard white post, with spar panels, metal partings and water	2	3	2				Very dark grey metal	3	5	3			
							Hard white post, with spar and pyrites...	0	3	0			
											29	3	2
Carried forward	18	5	1	20	3	10	Total ...				50	1	0

No. 2,773.—HOLMSIDE.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 38", Long. 1° 39' 55".

Account of Strata passed through in the No. 1 Bore-hole in Smith's Gill, Fawside Farm, Holmside Royalty.

Approximate surface-level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay and gravel	3	3	0				Brought forward	0	2	0	16	1	2
				3	3	0	Dark metal, with girdles ...	4	1	6			
Grey metal, with water ...	5	5	9				<i>Five-Quarter Seam—</i>						
<i>Shield Row Seam—</i>							<i>Ft. In.</i>						
COAL, coarse	0	2					COAL, good	3	5				
COAL, clean	2	1					COAL, splint	1	1				
COAL, coarse	0	5									5	2	0
COAL, clean	1	3											
				0	3	11	Grey metal ...		0	3	0		
						6	Grey metal stone ...	4	3	0			
Grey metal ...	1	1	0				Strong grey post ...	4	0	6			
Dark metal ...	0	1	0				Grey metal stone ...	0	1	3			
COAL ...	0	0	6				Black metal ...	0	0	4			
						1	<i>Main Coal Seam—</i>						
Grey metal ...	0	5	0			2	<i>Ft. In.</i>						
Grey post ...	0	4	0			6	COAL, coarse	1	6				
Grey metal, with post girdles ...	3	0	0				COAL, good	3	10				
COAL ...	0	1	0								0	5	4
						4					10	1	5
Grey metal, scared with coal ...	0	2	0			0	Grey post, into ...	0	1	6			
											0	1	6
Carried forward	0	2	0	16	1	2	Total ...				32	0	1

No. 2,774.—HOLMSIDE.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 33", Long. 1° 39' 56".

Account of Strata passed through in the No. 2 Bore-hole in Paddy's Land, White House Farm, Holmside Royalty.

Approximate surface-level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel ...	0	3	0				Brought forward	3	5	6	17	3	5
Brown stony clay ...	6	1	0				Grey metal stone ...	0	4	0			
				6	4	0	Dark metal, with						
Dark metal ...	0	1	6				girdles ...	0	3	0			
<i>Five-Quarter Seam—</i>							Grey metal stone ...	2	0	0			
Ft. In.							Grey post ...	1	1	0			
COAL ,good	3	0					Grey metal stone ...	3	0	0			
COAL ,coarse	1	5					Grey post ...	6	2	6			
				0	4	5	Strong white post ...	2	1	0			
				0	5	11	Grey post ...	1	4	0			
Grey metal ...	0	3	0				Strong white post ...	4	2	6			
Grey metal stone ...	2	3	0				Whin ...	0	1	4			
Grey post ...	5	5	6				Strong white post ...	0	5	6			
Grey metal ...	0	0	9				<i>Maudlin Seam—</i>						
<i>Main Coal Seam—</i>							Ft. In.						
Ft. In.							COAL ,coarse	0	6				
COAL ,coarse	1	4					COAL ,good	1	5				
COAL ,good	3	11								0	1	11	
				0	5	3					27	2	3
				9	5	6	Grey band ...	0	0	1			
Grey metal stone ...	0	3	0				Black stone, with						
Grey post ...	1	0	0				<i>coal</i> pipes ...	0	0	10			
Whin ...	0	1	0				Dark metal stone,						
Grey post ...	0	4	0				into ..	0	3	0			
Grey metal stone ...	1	1	6							0	3	11	
Black metal ...	0	2	0										
Carried forward	3	5	6	17	3	5	Total ...	45	3	7			

No. 2,775.—HOLMSIDE.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 55", Long. 1° 40' 30".

Account of Strata passed through in a Bore-hole at Wagtail Hall, Holmside, 1872.

Approximate surface-level 680 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	2	0	0				Brought forward	6	4	0	2	0	0
				2	0	0	Dark metal ...	1	0	0			
Grey post ...	1	3	0				COAL ...	0	1	0			
Dark grey metal ...	1	4	0								7	5	0
Grey post ...	2	0	0				Grey metal and metal						
Metal stone ...	1	3	0				stone ...	4	0	0			
Carried forward	6	4	0	2	0	0	Carried forward	4	0	0	9	5	0

No. 2,775.—HOLMSIDE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	0	0	9	5	0	Brought forward	55	5	11			
Dark metal ...	0	3	3				Metal stone ...	0	0	2			
COAL ...	0	0	9				Strong grey post ...	3	0	0			
				4	4	0	Metal stone ...	0	3	6			
Grey metal stone ...	3	1	0				Black metal... ..	0	2	0			
Whin ...	0	1	0				Grey metal ...	3	0	0			
Grey metal stone ...	1	0	0				Grey metal, with						
COAL ...	0	2	4				coal pipes ...	0	1	6			
				4	4	4	Grey metal ...	0	2	0			
Metal stone ...	2	0	0				White post ...	3	4	0			
Dark metal girdles	2	1	0				Dark metal ...	1	0	0			
Grey metal stone ...	2	3	0				Metal stone ...	0	3	0			
COAL ...	0	1	9				White post ...	0	3	0			
				6	5	9	Grey metal stone ...	2	4	0			
Metal stone ...	4	1	0				Strong white post ...	5	0	0			
Whin ...	0	1	0				Grey post ...	1	2	0			
Metal stone, inclin-	3	1	3				<i>Maudlin Seam—</i>						
ing to post ...							COAL ...	Ft. In.					
<i>Shield Row Seam—</i>							COAL and	1	8				
COAL , tender	Ft. In.						stone ...	1	4				
COAL , coarse	2	10								0	3	0	
	1	8											
			0	4	6					22	4	2	
				8	1	9	Grey metal stone ...	4	3	9			
Grey metal ...	1	1	0				Dark metal ...	0	3	0			
Metal stone ...	4	2	0				Black metal... ..	0	1	10			
COAL ...	0	0	6				<i>Low Main Seam—</i>						
				5	3	6	COAL , good ...	0	3	0			
Grey metal stone,										5	5	7	
with coal pipes ...	0	1	0				Grey metal stone ...	0	1	0			
Grey metal ...	0	1	0				Grey post ...	0	4	0			
Dark metal girdles	1	0	0				Grey metal stone ...	0	2	0			
Metal stone ...	0	3	0				COAL ...	0	1	0			
Grey post, mixed										1	2	0	
with whin ...	1	1	0				Strong grey post ...	1	1	6			
Dark metal, with							Whin ...	0	0	9			
girdles ...	1	2	0				Strong white post ...	0	1	6			
Black metal... ..	0	0	2				Grey metal stone ...	0	2	0			
<i>Five-Quarter Seam—</i>							Dark metal stone,						
COAL , good	Ft. In.						with girdles ...	2	0	9			
COAL , splint	3	2					<i>Hutton Seam—</i>						
	0	7					COAL , strong	Ft. In.					
			0	3	9		COAL , tender	3	0				
				4	5	11				0	3	3	
Grey metal stone ...	3	0	0										
Grey post ...	3	0	0							4	3	9	
Grey metal stone ...	1	1	0				Grey metal ...	0	2	6			
Strong grey post ...	1	0	0				Metal stone, into ...	0	1	0			
Grey metal stone ...	1	5	6							0	3	6	
<i>Main Coal Seam—</i>													
COAL , coarse	Ft. In.												
COAL , good	1	4											
	3	10											
			0	5	2								
				10	5	8							
Carried forward							Total ...			91	0	11	
				55	5	11							

No. 2,776.—HOLMSIDE.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 50", Long. 1° 40' 19".

Account of Strata sunk through in the Oswald Pit, Holmside Royalty, 1878.

Approximate surface-level 639 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft blue metal, through hade of fault	29	4	0				Brought forward	14	0	3	44	1	10
Grey metal	0	2	0				Strong grey post ...	0	3	4			
Black metal... ..	3	2	0				Strong white post ...	8	0	0			
<i>Five-Quarter Seam—</i>							<i>Maudlin Seam—</i>						
COAL, good	3	3					COAL						
COAL, splint	0	9					COAL and						
							stone	1	4				
	0	4	0							0	3	2	
				34	0	0	Grey metal, with post				23	0	9
Grey post, with iron							girdles	5	1	0			
girdles	3	5	0				<i>Low Main Seam—</i>						
Dark brown whin ...	0	1	8				COAL	0	3	1			
Strong white post ...	1	2	4								5	4	1
Grey post	3	5	8				Grey metal, with post						
<i>Main Coal Seam—</i>							girdles	0	4	6			
COAL, coarse	0	10					Strong white post,						
COAL, good	4	4					with whin balls...	1	2	6			
				0	5	2	Whin	0	1	3			
				10	1	10	Grey metal, with iron						
Fire-clay	0	2	0				girdles	2	2	7			
White post, with							<i>Hutton Seam—</i>						
coal pipes	2	3	2				COAL	3	3				
Soft grey metal ...	4	0	0				COAL, coarse	0	4				
Strong white post ...	1	5	3							0	3	7	
Grey post	1	0	0								5	2	5
Grey metal	2	0	0				Fire-clay	1	0	0			
Strong white post ...	0	3	0				COAL, splint	0	1	3			
Strong grey post											1	1	3
girdles	1	3	4				Strong grey metal ...	1	3	0			
Post girdle	0	1	6								1	3	0
Carried forward	14	0	3	44	1	10	Total ...				81	1	4

No. 2,777.—HOLY ISLAND.

TOWNSHIP OF HOLY ISLAND, NORTHUMBERLAND.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Holy Island, by Mr. Andrew Wake, for Mr. Henry Coll Selby, 1792.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	1	0	0				Brought forward				2	4	0
Clay	1	1	0				Black Dent COAL...	0	0	6			
				2	1	0					0	0	6
Limestone	0	3	0				Grey metal	0	0	6			
				0	3	0	Whin	0	3	0			
Carried forward				2	4	0	Carried forward	0	3	6	2	4	6

No. 2,777.—HOLY ISLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	6	2	4	6	Brought forward	17	0	6	2	4	6
White post ...	4	0	0				Whin ...	0	1	0			
Post girdles, with							White post ...	0	1	0			
metal partings ...	1	0	0				Whin ...	0	1	0			
Grey metal ...	2	2	0				Blue grey metal ...	0	3	0			
Blue stone ...	1	2	0				White metal ...	2	0	0			
Whin ...	0	2	0				White post ...	0	2	6			
Blue stone ...	4	0	0				Blue stone ...	0	3	0			
Post girdles, with							COAL ...	0	0	6			
metal partings ...	0	3	0								21	0	6
Whin, sand and							Grey metal ...	0	1	0			
water ...	0	1	6				Grey stone ...	1	0	0			
White post ...	0	0	6				Grey post ...	2	0	0			
Whin ...	0	1	0				White post ...	1	1	0			
White post ...	0	0	6				Grey stone ...	0	0	4			
Whin ...	1	0	0				COAL ...	0	1	0			
Grey metal ...	0	1	0								4	3	4
Whin ...	0	3	0				Grey metal ...	0	0	6			
White post ...	0	0	6				Post girdles, with						
Whin ...	0	1	0				metal partings ...	0	3	2			
White post ...	0	3	0								0	3	9
Carried forward	17	0	6	2	4	6	Total ...	...	29	0	0		

No. 2,778.—HOPPEN.

TOWNSHIP OF HOPPEN, NORTHUMBERLAND.

Sheet 21 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Hoppen, 1872.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From surface to top							Brought forward	1	1	11½	19	2	6¼
of bore-hole ...	2	5	0				Bastard freestone ...	0	0	10			
Freestone ...	3	3	6				Freestone bands ...	0	4	2½			
Metal tills ...	0	3	11				Metal tills ...	0	5	10			
Freestone ...	0	3	4				Freestone bands ...	0	0	6			
Metal tills ...	0	2	0				Limestone ...	0	4	9			
Freestone bands ...	1	2	5				Metal tills ...	0	1	5			
Metal tills ...	0	4	6				Hard freestone ...	2	0	11½			
Soft metal ...	0	2	2				Grey post ...	0	1	0			
Blue metal, harder...	1	0	8				Metal ...	0	1	6			
Freestone ...	0	2	0				Grey post ...	0	1	5			
Limestone ...	0	1	9				Hard freestone ...	2	0	6			
Metal tills ...	0	2	5½				Grey metal, mixed						
Freestone bands ...	0	5	9				with freestone ...	0	2	7			
Hard freestone ...	1	0	0½				Blue metal ...	0	1	0			
Metal tills ...	0	0	6½				Grey metal ...	0	3	3			
Freestone bands ...	1	2	13½				Hard freestone ...	0	0	8			
Blue tills ...	0	1	4				Grey slate ...	0	1	2			
Freestone ...	1	2	8				Grey metal ...	0	5	9			
Hard metal ...	0	0	9				Grey slate ...	0	0	10			
Black metal...	1	3	1				Grey metal ...	0	1	6			
COAL ...	0	0	6				Grey stone ...	0	0	6			
				19	2	6¼	Grey metal ...	0	0	8			
Metal tills ...	0	1	11½								11	5	11½
Freestone ...	1	0	0				Total ...	...	31	2	5½		
Carried forward	1	1	11½	19	2	6¼							

No. 2,779.—HORDEN.

TOWNSHIP OF EASINGTON WITH THORPE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46' 12", Long. 1° 18' 46".

Account of Strata sunk through in the North Pit, Horden Colliery.
Commenced November 6th, 1900. Finished July 22nd, 1904.

Approximate surface-level 210 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder-clay ...	2	0	0				Brought forward				77	2	1
Boulder-clay and loamy sand ...	0	1	6				Sand crust ...	0	0	4			
Boulder-clay ...	2	4	6				Sand ...	7	5	0			
Boulder-clay, with sand and gravel pockets ...	0	3	0				Hard sand ...	0	1	6			
Boulder-clay and loamy sand ...	0	3	0								8	0	10
Boulder-clay ...	2	0	0				Brown post ...	0	1	6			
				14	5	0	Grey post ...	0	5	0			
Rubble limestone ...	0	3	0				Grey leafy post ...	0	1	6			
Broken limestone ...	24	2	0				Leafy post ...	0	1	0			
Broken limestone, mixed with red clay ...	1	0	0				Soft black parting ...	0	0	2			
Broken limestone, mixed with marl ...	0	3	0				Fire-clay ...	0	5	10			
Broken limestone, with marl pockets ...	0	3	0				Red metal ...	2	2	9½			
Broken limestone ...	4	0	0				Red and grey metal ...	0	3	6			
Broken limestone and red clay ...	1	1	6				Blue metal ...	0	3	6			
Marly limestone ...	16	5	5				Grey post ...	0	4	6			
Hard limestone, mixed with marl ...	5	3	0				Grey leafy post ...	1	1	6			
Hard brown limestone, with marly partings ...	0	3	0				Blue and grey metal in panels ...	0	5	3			
Hard brown limestone, mixed with marl ...	0	5	0				COAL ...	0	2	9			
Honey-combed limestone ...	2	1	0								9	2	9½
Yellow marly limestone ...	1	0	8				Fire-clay ...	0	1	2			
Grey limestone, with shale partings ...	1	3	0				White post ...	0	3	0			
Grey limestone ...	0	2	3				Grey post and brown whinstone ...	0	4	0			
Light grey limestone ...	0	0	7				Grey post ...	5	1	10			
Light brown limestone ...	0	0	10				Mild white post ...	0	2	0			
Light grey limestone ...	0	1	0				White post ...	0	4	6			
Yellow limestone ...	0	1	2				White post in panels ...	0	3	6			
Dark grey limestone ...	0	1	10				White post ...	0	1	4			
Black shale ...	0	0	1				COAL ...	0	1	9½			
Dark grey limestone ...	0	1	2								8	5	1½
Dark brown limestone ...	0	1	6				Fire-clay ...	1	0	0			
Black slate (fish bed) ...	0	1	1				Blue metal, with post girdles ...	0	3	0			
				62	3	1	Blue metal ...	0	3	0			
Carried forward							Blue metal, with post girdles ...	0	4	11			
							COAL ...	0	1	1			
											3	0	0
							Black stone and dant ...	0	0	4			
							Fire-clay ...	0	3	2			
							Hard post ...	1	2	7½			
							Hard post, mixed with whin ...	0	3	0			
							Hard post ...	0	5	5			
							Grey metal ...	0	1	0			
							Blue metal ...	1	1	10			
							Blue metal, with black parting ...	0	2	6			
							Blue metal ...	2	2	0			
							Carried forward	7	3	10½	106	4	10

No. 2,779.—HORDEN.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			7	3	10½	106	4	10
COAL	...	...	0	0	11			
						7	4	9½
Fire-clay	...	...	0	0	10			
Post panel	...	...	0	1	0			
Blue metal	...	...	0	3	3			
Post girdles	...	...	0	1	10			
Grey metal	...	...	0	5	2			
COAL	...	...	0	0	4			
						2	0	5
Fire-clay	...	...	0	2	8			
Fire-clay and blue metal	...	...	0	3	0			
Blue metal and post panel	...	...	1	0	9			
Post	...	...	1	0	2			
Dark blue metal	...	...	1	4	4			
Black stone	...	...	0	1	0			
Blue metal	...	...	1	3	0			
Dark blue metal	...	...	0	5	0			
Fire-clay, with narrow coal bands	...	...	0	2	9			
Post	...	...	1	0	0			
Grey metal	...	...	1	3	6			
Blue metal, with black shale parting	...	...	0	3	6			
Blue metal and black stone	...	...	0	2	6			
Blue metal	...	...	4	2	6			
COAL	...	...	0	0	6			
						15	5	2
Coarse fire-clay	...	...	0	2	0			
Black stone	...	...	0	0	6			
<i>Five-Quarter Seam—</i>								
COAL	...	Ft. In.	1	0				
Metal band	...	0	4					
COAL	...	0	2½					
Metal band	...	0	1½					
COAL	...	2	2					
Metal band	...	0	1½					
COAL	...	1	0					
			0	4	11½			
						1	1	5½
Fire-clay	...	...	0	1	5½			
Coarse fire-clay	...	...	0	5	0			
Blue metal	...	...	0	3	10½			
COAL	...	...	0	0	11			
						1	5	3
Fire-clay	...	...	0	1	8½			
Grey metal	...	...	0	4	6			
Grey metal, with ironstone balls	...	...	0	5	0			
Blue metal	...	...	0	5	0			
Strong blue metal	...	...	1	0	0			
Dark grey post	...	...	1	1	6			
Blue metal	...	...	0	2	6			
Blue metal and grey post	...	...	0	5	0			
Carried forward			6	1	2½	135	3	11

			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			6	1	2½	135	3	11
Grey leafy post	...	...	0	4	6			
Leafy post	...	...	0	2	8			
<i>Main Coal Seam—</i>								
COAL	...	...	0	3	3			
						7	5	7½
Fire-clay	...	...	0	1	6			
Blue metal	...	...	0	4	6			
Strong fire-clay	...	...	2	1	6			
Grey post	...	...	7	0	4½			
<i>Maudlin Seam—</i>								
COAL	...	...	0	1	9			
						10	3	7½
Fire-clay and blue metal	...	...	1	0	0			
Post	...	...	0	4	6			
Leafy post	...	...	0	4	0			
Post	...	...	0	2	0			
Leafy post	...	...	2	2	6			
Black stone	...	...	0	0	6			
COAL	...	...	0	0	9			
						5	2	3
Fire-clay	...	...	0	1	8			
Blue metal	...	...	4	0	6			
Grey metal	...	...	1	2	6			
Grey metal, with post girdles	...	...	1	1	8			
Black stone	...	...	1	2	0			
Leafy post	...	...	0	0	10			
Post, with black partings	...	...	1	4	2			
Post	...	...	2	1	0			
Post, with black partings	...	...	1	0	0			
Grey post	...	...	1	2	0			
Leafy post	...	...	0	2	0			
Strong post	...	...	0	2	0			
Strong grey post	...	...	0	4	0			
Mild leafy post	...	...	0	2	6			
Strong post	...	...	3	3	8½			
Blue metal, with post girdles	...	...	0	1	6			
<i>Low Main Seam—</i>								

No. 2,779.—HORDEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				185	4	11½	Brought forward	10	0	1	188	4	0½
Fire-clay ...	0	1	6				<i>Hutton Seam—</i>						
Coarse fire-clay ...	0	5	8				COAL ...	Ft.	In.				
Hard post panel ...	0	1	0				Band ...	0	1				
Black stone ...	0	2	8				COAL ...	3	11				
Blue metal ...	0	1	0							0	5	5	
Blue metal, with											10	5	6
post girdles ...	0	4	0				Black stone ...			0	0	9	
Post girdles ...	0	0	6				Fire-clay ...			0	1	6	
COAL ...	0	0	9				Coarse fire-clay ...			0	4	9	
				2	5	1	Blue metal ...			1	1	3	
Fire-clay ...	0	1	6				COAL ...			0	0	6	
Blue metal and grey											2	2	9
post ...	0	4	0				Blue metal ...			0	1	0	
Blue metal, with post							Blue metal, with post						
girdles ...	0	4	6				girdles ...			1	2	0	
Black stone ...	0	0	6				Blue metal ...			1	0	0	
Blue metal ...	1	1	0				COAL ...			0	0	5	
Blue metal, with											2	3	5
post girdles ...	0	4	9				Fire-clay ...			0	0	6	
Post, with blue metal							Blue metal ...			0	1	1	
bands ...	0	5	6				Leafy post ...			0	4	0	
Post, with thin metal							Grey post ...			0	1	6	
bands ...	1	0	0				Brown post ...			0	2	0	
Grey post ...	0	2	6				Grey post ...			0	3	0	
Hard brown post ...	0	2	6				Blue metal ...			1	0	9	
Grey post ...	0	1	0				COAL ...			0	0	6	
White post ...	0	4	6								3	1	4
Grey leafy post ...	0	5	0				Fire-clay ...			0	1	6	
Grey post ...	1	4	2				Blue metal, with post						
Black stone ...	0	0	8				panels ...			0	4	9	
											1	0	3
Carried forward	10	0	1	188	4	0½	Total ...				208	5	3½

No. 2,780.—HORDEN.

TOWNSHIP OF EASINGTON WITH THORPE, DURHAM.

Sheet 28 of Ordnance Map. Lat. , Long.

Account of Strata sunk through at Blackhill, in the Delivery Drift Staple, Horden Colliery, August, 1900.

Approximate surface-level 210 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	9	5	0			
Boulder-clay ...	1	3	6				Sand, with water ...	0	2	6			
Blue clay ...	1	1	6				Boulder-clay ...	1	3	6			
Red clay ...	1	0	0								11	5	0
Gravel ...	0	2	0				Limestone ...			2	2	6	
Boulder-clay ...	5	3	0								2	2	6
Carried forward	9	5	0				Total ...				14	1	6

No. 2,781.—HORSLEY WOOD.

TOWNSHIP OF HORSLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. _____

, Long. _____

Account of Strata sunk through below the Brockwell Seam in a Staple on the North side of the River Tyne, Horsley Wood Colliery, April, 1876.

Approximate surface-level 140 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box	0	1	6				Brought forward	3	5	8	3	3	4
Seggar-clay	0	1	6				COAL	0	1	2			
COAL	0	1	8								4	0	10
				0	4	8	Seggar-clay	0	1	6			
Seggar-clay	0	0	6				Shaly post	0	1	6			
Light shaly post	0	2	0				White post, with						
Dark brown shaly							dark partings ...	0	2	6			
post	0	4	0				Dark brown metal...	0	4	2			
Dark brown metal ...	0	4	2				COAL , shaly	0	1	1			
Post	0	0	6								1	4	9
Dark brown metal...	0	1	3				Black shaly metal ...	0	2	2			
Dark shaly post ...	0	3	8				Dark brown metal...	0	2	0			
COAL	0	0	7				Blue metal, with						
				2	4	8	hard panels ...	0	4	6			
Seggar-clay	0	1	0				Brown post	0	1	0			
Very light metal							Grey metal	0	5	0			
pipe-clay	2	0	0				COAL , cannal	0	1	8			
Post	0	2	6								2	4	4
Light metal, with							Fine seggar-clay ...	0	2	7			
hard girdle	1	1	0				White post, into ...	0	2	3			
Black metal	0	1	2								0	4	10
Carried forward	3	5	8	3	3	4	Total				13	0	1

No. 2,782.—HOUGHALL.

TOWNSHIP OF ELVET, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 33", Long. 1° 33' 35".

Account of Strata passed through below the Hutton Seam in the No. 1 Bore-hole, about 180 yards East of the Shaft at Houghall Colliery, by Messrs. William Coulson and Son, 1880.

Approximate surface-level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
COAL	0	1	8				Brought forward				10	5	2½
				0	1	8	Strong grey shale ...	1	0	9½			
Light grey shale ...	0	2	11				Hard white post,						
Dark grey shale ...	1	5	2				with water and						
Strong grey post ...	0	1	9				gas	1	3	1			
Grey shale, with post							Grey shale, with post						
girdles and water	3	2	9				girdles	1	0	6			
White post	1	0	0				Dark grey shale ...	2	3	6			
Dark grey shale ...	0	1	5				Black shale	0	1	0			
Strong white post ...	3	1	2				Light grey shale ...	1	2	0			
COAL	0	0	4½				White post, with						
				10	3	6½	shale partings ...	0	5	0			
Carried forward				10	5	2½	Carried forward	8	3	10½	10	5	2½

No. 2,782.—HOUGHALL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	3	10½	10	5	2½	Brought forward	44	2	0			
Grey post ...	0	1	9				Grey post, with shale						
Dark metal, with							partings ...	3	0	0			
<i>coal</i> pipes ...	0	0	10				Strong white post,						
Hard grey post ...	1	0	1				with 8 inches of						
White post ...	0	4	1				whin at bottom...	4	3	6			
Grey post, with							Light grey shale, with						
shale partings ...	0	3	1				ironstone girdles	2	1	4			
Dark grey shale ...	0	2	2				Black shale ...	0	0	10			
COAL , coarse next							COAL ...	0	0	10			
the top ...	0	0	10½								10	0	6
				11	4	9	Brown shale...	0	0	8			
Dark shale ...	0	0	3½				Very dark post ...	0	1	0			
Strong grey shale ...	1	5	9				COAL and black						
Dark grey metal,							stone ...	0	0	3			
with post girdles	3	1	4				Dark grey shale ...	0	0	2			
Grey shale, with post							Grey metal, with iron-						
girdles ...	1	3	4				stone balls ...	0	1	10			
Strong grey post,							Grey metal, with post						
with <i>coal</i> pipes ...	7	4	0				girdles ...	2	5	3			
Hard white post ...	1	5	5				COAL ...	0	0	2			
Light grey shale ...	0	5	0								3	3	4
Strong white post ...	0	1	11				Strong grey shale,						
Grey shale ...	0	1	7				with post girdles	3	3	1			
							Strong white post ...	1	0	4			
COAL , soft... Ft. In.	1	6					Mild post, with a						
COAL and							little water ...	0	0	3			
black stone	0	1					Strong grey post ...	2	2	7			
				0	1	7	Strong dark grey						
							shale ...	2	4	8			
Grey metal thill ...	0	5	0				Grey post, with hard						
Strong grey post ...	2	4	0				shale partings ...	2	1	3			
COAL ...	0	0	10								12	0	2
				3	3	10							
Carried forward				44	2	0	Total ...				70	0	0

No. 2,783.—HOUGHALL.

TOWNSHIP OF ELVET, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 38", Long. 1° 34' 47½".

Account of Strata passed through below the Hutton Seam in the No. 2 Bore-hole, about three-quarters of a mile West of the Shaft at Houghall Colliery, by Messrs. William Coulson and Son, 1880.

Approximate surface-level 295 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Light grey metal ...	2	1	6				Brought forward	12	5	1			
Strong grey metal,							COAL ...	0	0	4½			
with post girdles											12	5	5½
and water ...	6	5	0				Strong grey metal,						
Hard grey and white							with post girdles	1	1	3½			
post, with soft							Hard white post,						
partings ...	2	1	0				with ironstone						
Hard white post ...	1	2	11				girdles ...	0	4	3			
Mild post ...	0	0	8										
Carried forward	12	5	1				Carried forward	1	5	6½	12	5	5½

No. 2,784.—HOWNES GILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	5	0	6	5	0	Brought forward	28	1	7	6	5	0
Brown post, with metal partings ...	1	2	6				Black metal, mixed with coal ...	0	2	6			
Soft grey metal ...	0	1	6								28	4	1
Strong grey post ...	0	4	6				Grey metal ...	0	3	8			
Grey metal ...	0	4	2				Grey whin ...	0	3	1			
Strong white post, with metal partings and water ...	0	2	8				Blue metal ...	1	0	0			
Blue metal ...	1	3	2				Grey metal ...	1	4	6			
Grey metal, with post girdles ...	1	3	0				Grey post, with metal partings ...	1	2	6			
Grey post ...	0	2	5				Grey metal ...	0	1	8			
Dark grey metal ...	1	3	7				Grey post ...	1	5	8			
Grey post, with much water ...	6	5	8				Blue metal, with post girdles ...	0	2	2			
Soft grey metal ...	0	4	3				COAL ...	0	0	6			
Grey post ...	1	3	8								7	5	9
Blue metal, with post girdles ...	1	3	6				Grey metal ...	0	1	10			
Carried forward	28	1	7	6	5	0					0	1	10
							Total ...				43	4	8

No. 2,785.—HUNSTANWORTH.

TOWNSHIP OF HUNSTANWORTH, DURHAM.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in Green's Shaft, Derwent Mines.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hipple Sill ...	7	0	0				Brought forward	23	0	0			
Plate ...	6	2	0				Low Grit Sill ...	10	0	0			
High Grit Sill ...	9	0	0				Black bed and plate	0	3	0			
Black bed and plate	0	4	0								33	3	0
Carried forward	23	0	0				Total ...				33	3	0

No. 2,786.—HUNSTANWORTH.

TOWNSHIP OF HUNSTANWORTH, DURHAM.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in Jeffrey's Shaft, Derwent Mines.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss and clay ...	2	0	0				Brought forward	4	5	6	2	0	0
				2	0	0	Plate, with metal posts ...	2	0	0			
Slate sill ...	4	5	6				Carried forward	6	5	6	2	0	0
Carried forward	4	5	6	2	0	0							

No. 2,786.—HUNSTANWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	5	6	2	0	0	Brought forward	53	4	0	16	4	0
<i>Cockle Bed Limestone</i>	2	2	6				Black bed ...	0	1	0			
Plate ...	4	2	6				<i>Limestone</i> ...	0	3	0			
<i>Fell Top Limestone</i> ...	0	4	6				Crag Sill (lead bearing)	8	0	0			
COAL ...	0	1	0	14	4	0	Plate and <i>limestone</i>	1	4	0			
Girdle beds ...	1	0	0				Pattinson's Sill ...	4	5	0			
Plate ...	2	3	0				Plate ...	5	5	0			
Hipple Sill ...	5	5	0				Hazle, or white sill	1	2	0			
Plate ...	6	2	0				Plate ...	2	0	0			
High Grit Sill (lead bearing) ...	13	5	0				Hazle ...	0	5	6			
Black bed and plate	0	3	0				Plate ...	2	0	0			
Low Grit Sill (lead bearing) ...	23	4	0				<i>Little Limestone</i> ...	1	5	0	82	4	6
Carried forward	53	4	0	16	4	0	Total ...	99	2	6			

No. 2,787.—HUNSTANWORTH.

TOWNSHIP OF HUNSTANWORTH, DURHAM.

Sheet 16 of Ordnance Map. Lat. 54° 49' 31", Long. 2° 3' 44".

Account of Strata sunk through in the Presser Engine Shaft, Jeffrey's Rake, Derwent Mines.

Approximate surface-level 1,250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss and gravel ...	2	0	0	2	0	0	Brought forward	10	3	6	71	4	0
Slate sill ...	5	0	0				Pattinson's Sill ...	5	0	0			
Plate and post ...	2	0	0				Plate ...	4	3	0			
Cockle beds ...	2	3	0				Plate, with girdle beds	7	2	0			
Plate ...	4	3	0				<i>Little Limestone</i> ...	1	2	0			
<i>Fell Top Limestone</i> ...	1	0	0				High Coal Sill ...	5	1	0			
Girdle bed ...	1	0	0				COAL , sulphurous	0	1	0	34	0	6
Plate ...	2	3	0				Plate ...	1	0	0			
Hipple Sill ...	6	0	0				COAL ...	0	1	0	1	1	0
Grey beds ...	1	3	0				Hazle ...	1	0	0			
Plate ...	5	2	0				Plate ...	0	5	0			
High Grit Sill ...	14	0	0				Low Coal Sill	9	2	0			
COAL , sulphurous	0	1	0	45	3	0	Plate ...	1	1	0			
Low Grit Sill ...	24	0	0				<i>Great Limestone</i> ...	8	4	0			
COAL ...	0	1	0	24	1	0	Tuft, or water sill...	1	5	0			
Crag <i>Limestone</i> ...	0	4	0				Plate ...	2	0	0			
Crag Sill ...	8	0	0				<i>Limestone</i> post ...	1	0	0			
Plate ...	1	4	0				Quarry hazle, into...	1	0	0	26	5	0
<i>Limestone</i> post ...	0	1	6				Total ...	133	4	6			
Carried forward	10	3	6	71	4	0							

No. 2,788.—HUNSTANWORTH.

TOWNSHIP OF HUNSTANWORTH, DURHAM.

Sheet 16 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in Pear's Shaft, Derwent Mines.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black bed and plate	0	5	0				Brought forward	5	5	0	35	3	0
High Grit Sill (lead bearing) ...	16	0	0				Plate ...	1	4	0			
Black bed and plate	1	0	0				Limestone ...	1	0	0			
Low Grit Sill (lead bearing) ...	16	4	0				Pattinson's Sill ...	3	2	0			
Plate ...	0	1	0				Plate ...	4	5	0			
Limestone and coal ...	0	5	0				Hazle ...	1	0	0			
				35	3	0	Plate ...	3	0	0			
							Hazle ...	2	2	0			
Crag Sill (lead bearing) ...	5	5	0								23	0	0
Carried forward	5	5	0	35	3	0	Total ...				58	3	0

No. 2,789.—HUNSTANWORTH.

TOWNSHIP OF HUNSTANWORTH, DURHAM.

Sheet 16 of Ordnance Map. Lat. 54° 49' 8", Long. 2° 4' 47".

Account of Strata sunk through in the Ramshaw Engine Shaft, Derwent Mines.

Approximate surface-level 1,230 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
High Grit Sill (lead bearing) ...	10	1	3				Brought forward	24	3	0	29	0	9
Plate and black bed	1	0	0				Little Limestone ...	1	1	0			
Low Grit Sill (lead bearing) ...	16	3	6				COAL ...	0	1	0			
Plate ...	0	5	0								25	5	0
Limestone ...	0	2	0				High Coal Sill ...	4	3	0			
COAL ...	0	1	0				Plate and coal ...	1	4	0			
				29	0	9	Low Coal Sill ...	11	2	3			
Crag Sill (lead bearing) ...	5	5	0				Plate ...	0	5	0			
Plate ...	1	4	0				Great Limestone ...	8	5	6			
Limestone ...	0	4	6				Tuft ...	0	5	0			
Pattinson's Sill ...	2	5	6				Plate ...	2	0	0			
Plate, with metal posts ...	13	2	0				Limestone ...	0	5	0			
Carried forward	24	3	0	29	0	9					30	5	9
							Total ...				85	5	6

No. 2,790.—HUNSTANWORTH.

TOWNSHIP OF HUNSTANWORTH, DURHAM.

Sheet 16 of Ordnance Map. Lat. _____, Long. _____

Account of Strata sunk through in the Routh Shaft, Derwent Mines.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Rowton Well Sill ...	4	0	0				Brought forward	8	1	9	33	3	0
Plate ...	2	0	0				Plate ...	3	1	0			
Slate sill ...	1	5	0				High Grit Sill (lead bearing) ...	18	1	0			
Plate ...	5	2	6				Black bed and plate	0	4	0			
White hazle... ..	1	0	0				Low Grit Sill (lead bearing) ...	16	4	0			
Plate, with metal post ...	4	1	0				Plate ...	0	1	6			
Whin sill ...	0	2	0				Limestone and coal...	0	4	0			
Slate sill ...	4	5	0								47	5	3
Plate, with metal post ...	8	5	6				Crag Sill (lead bearing) ...	6	0	0			
Fell Top Limestone	0	5	0				Plate ...	1	2	0			
COAL ...	0	1	0				Limestone ...	0	4	0			
				33	3	0	Pattinson's Sill ...	2	5	0			
Girdle beds ...	2	0	0								10	5	0
Plate ...	1	1	9										
Hipple Sill ...	5	0	0										
Carried forward	8	1	9	33	3	0	Total ...				92	1	3

No. 2,791.—HUNSTANWORTH.

TOWNSHIP OF HUNSTANWORTH, DURHAM.

Sheet 16 of Ordnance Map. Lat. _____, Long. _____

Account of Strata sunk through in Taylor's Shaft, Derwent Mines.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss and sand ...	2	0	0				Brought forward	60	0	0	2	0	0
				2	0	0	High Grit Sill (lead bearing) ...	11	3	0			
Plate ...	2	0	9				COAL ...	0	0	3			
Sill ...	1	3	0								71	3	3
Plate ...	3	3	0				Low Grit Sill (lead bearing) ...	21	4	0			
Sill ...	1	3	0				Plate and hazle sill	1	1	0			
Plate ...	0	4	0				Plate ...	0	1	6			
Rowton Well Sill ...	9	2	0				Limestone ...	0	4	0			
Plate ...	1	5	0				Crag Sill (lead bearing) ...	6	1	0			
Hazle sill ...	1	4	0				Plate ...	2	2	0			
Plate ...	2	4	6				Pattinson's Sill ...	2	2	0			
Whin and hazle sill	0	5	6				Plate ...	5	2	0			
Plate ...	2	5	0				White sill ...	1	5	0			
Slate sill ...	4	5	0				Plate ...	2	1	0			
Plate ...	9	2	3				White sill ...	0	3	0			
Fell Top Limestone...	1	2	0				Plate ...	5	0	0			
Plate ...	2	4	0										
Hipple Sill ...	6	5	0										
Plate ...	6	2	0										
Carried forward	60	0	0	2	0	0	Carried forward	49	2	6	73	3	3

No. 2,791.—HUNSTANWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	49	2	6	73	3	3	Brought forward				130	4	4
<i>Little Limestone</i> ...	2	0	6				Plate ...	1	1	0			
Coal sill ...	4	0	0				COAL ...	0	2	3			
Plate ...	1	3	6								1	3	3
COAL ...	0	0	7				<i>Great Limestone</i> ...	33	33	33			
				57	1	1					33	33	33
Carried forward				130	4	4	Total ...				132	1	7

No. 2,792.—HUNSTANWORTH.

TOWNSHIP OF HUNSTANWORTH (FOREST QUARTER), DURHAM.

Sheet 16 of Ordnance Map. Lat. 54° 47' 0", Long. 2° 9' 22".

Account of Strata passed through at the Wolfcleugh Mine, Rookhope Valley.

Approximate surface-level 1,400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hazle ...	1	5	0				Brought forward	29	5	0			
Plate ...	3	3	0				Plate ...	4	5	0			
<i>Limestone</i> ...	1	4	0				Hazle ...	3	4	3			
Plate ...	3	5	0				Plate ...	7	0	6			
Hazle ...	1	4	0				<i>Limestone</i> ...	2	5	0			
Plate ...	3	5	0				Hazle ...	5	4	0			
<i>Great Limestone</i> ...	11	5	6				Plate, into ...	1	0	0			
Hazle ...	1	3	6								54	5	9
Carried forward	29	5	0				Total ...				54	5	9

No. 2,793.—HURWORTH.

TOWNSHIP OF HURWORTH, DURHAM.

Sheet 55 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole near the Corner of the Fold at Hurworth Moor Farm, for Mr. E. Lloyd Pease. Commenced May 11th, 1890.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	19	2	9			
Brown stony clay ...	4	3	6				Stony clay ...	0	2	0			
Coarse running sand, with water ...	0	4	0								19	4	9
Laminated clay, with loamy partings ...	4	5	0				Soft red metal, last 3 feet very soft ...	8	5	0			
Hard stony clay ...	2	4	0				Strong red and grey metal, with gypsum and water ...	2	0	0			
Running sand and gravel, with water	6	3	3				Limestone, with water	1	4	9			
											12	3	9
Carried forward	19	2	9				Total ...				32	2	6

No. 2,794.—HUTTON HENRY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				143	3	5 ³ / ₄	Brought forward	8	5	11	145	1	10 ³ / ₄
Dark seggar-clay ...	0	3	0				White post ...	1	2	0			
COAL ...	0	0	3								10	1	11
Dark cloddy metal...	0	3	0										
Grey metal ...	0	3	0								155	3	9 ³ / ₄
COAL ...	0	1	2				<i>Bored further :—</i>						
				1	4	5	Strong white post ...	0	1	10			
Grey metal, with post							Metal and post ...	0	1	0			
girdles ...	0	2	9				White post ...	4	1	2			
COAL ...	0	0	2				Metal parting ...	0	0	6			
Seggar-clay ...	0	3	6				White post ...	0	5	0			
Grey metal ...	0	2	6				Grey metal ...	0	3	6			
White post ...	7	0	0				Black stone...	0	0	3			
Post, scared with							Grey metal ...	0	1	0			
metal and coal							Post ...	3	1	1			
pipes ...	0	3	0								9	3	4
Carried forward	8	5	11	145	1	10 ³ / ₄	Total ...				165	1	1 ³ / ₄

No. 2,795.—HUTTON HENRY.

TOWNSHIP OF HUTTON HENRY, DURHAM.

Sheet 36 of Ordnance Map. Lat. 54° 43' 29¹/₂", Long. 1° 21' 29".*Account of Strata sunk through in the Marley Pit, Hutton Henry Colliery.*

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			
Clay, with stone ...	13	5	0			
Sand	2	0	0			
Gravel	1	2	0			
Sand	2	4	0			
Wet sand	7	0	0			
Clay	4	4	8			
				31	4	8
Brown limestone ...	36	3	10			
Blue limestone ...	1	4	6			
Grey metal and lime-						
stone, mixed ...	1	4	0			
Blue limestone ...	1	2	0			
Grey metal ...	0	1	9			
Blue sand, strong as						
post	2	2	3			
				44	0	4
Strong post	0	2	0			
Grey metal	1	0	6			
Red metal	1	1	0			
Post, scared red ...	1	4	6			
Post	11	0	9			
Post and metal,						
mixed	3	4	6			
Carried forward	19	1	3	75	5	0

	Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	19	1	3	75	5	0	
White post	1	2	8				
Grey metal	1	3	2				
				Ft.	In.		
COAL, strong							
splinty	2	6					
Blue metal	2	4					
COAL, strong							
cannelly	2	2					
				1	1	0	
					23	2	1
Blue metal	3	1	4				
COAL	0	0	3				
Metal	0	2	0				
COAL	0	0	9				
					3	4	4
White post, with							
partings	1	2	6				
Whin	0	1	6				
Metal, with post							
girdles	4	5	7				
COAL, strong can-							
nelly	0	2	8				
Blue metal	4	3	10				
Carried forward	11	4	1	102	5	5	

No. 2,795.—HUTTON HENRY.—CONTINUED.

Brought forward						Brought forward					
Ft. In.			Ft. In.			Ft. In.			Ft. In.		
11	4	1	102	5	5	1	5	5	129	2	5
<i>Hutton Seam—</i>						<i>COAL</i> ...					
0 3 3			12 1 4			0 0 1			0 1 10		
<i>Post, with metal</i>											
0 0 8			2 0 5			5 5 4			0 1 0		
0 2 0						0 1 2					
1 3 4						<i>Harvey Seam—</i>					
0 0 5						Ft. In.					
						3 10					
0 2 0						0 1					
1 0 7						1 5					
1 5 9						0 5 4			9 2 2		
0 0 9			3 3 1			0 4 0			0 0 6½		
									0 4 6½		
0 2 6						0 3 3					
0 5 0						<i>Busty Seam—</i>					
						Ft. In.					
2 2 1						1 3½					
0 5 2						0 1½					
0 4 3						0 11					
0 1 8						0 2					
3 1 0						0 7					
0 0 6			8 4 2			0 3 1			1 0 4		
0 3 0											
1 0 5											
0 2 0											
Carried forward						Total ...					
1	5	5	129	2	5	140			3	5½	

No. 2,796.—HYLTON.

TOWNSHIP OF FORD, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Account of Strata passed through in a Bore-hole in a Field above Hylton Station, for The Ford Paperworks Company, Limited, October, 1895.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Limestone rubble ...	0	4	0				Brought forward	2	5	0	3	0	0
Hard limestone, with thin partings ...	1	4	0				Soft yellow free- stone, with water at 6 fathoms ...	1	3	0			
Grey metal (fish bed)	0	4	0				Grey metal, into ...	1	0	0			
				3	0	0					5	2	0
Hard yellow free- stone ...	2	5	0										
Carried forward	2	5	0	3	0	0	Total ...				8	2	0

No. 2,797.—HYLTON.

TOWNSHIP OF FORD, DURHAM.

Sheet 7 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 2 Bore-hole situated in a Field on the East side of the North Eastern Railway, about 150 yards from Hylton Station.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	15	1	0	8	1	6
Hard stony clay ...	2	4	3				Honey-combed lime-						
Sand and gravel,							stone, with water...	3	5	6			
with water ...	0	0	9				Hard limestone ...	0	4	6			
Hard stony clay ...	5	1	6				Limestone gravel ...	0	3	0			
				8	1	6	Hard limestone ...	4	0	6			
Hard limestone, with							Sand	5	3	0			
marl partings ...	12	1	0								29	5	6
Very hard limestone	3	0	0				Grey shale, into ...	0	1	6			
											0	1	6
Carried forward	15	1	0	8	1	6	Total				38	2	6

NOTE: Water stood at 23 fathoms from surface.

No. 2,798.—HYLTON.

TOWNSHIP OF FORD, DURHAM.

Sheet 8 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at the Ford Paper Mills, Hylton.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from scaffold							Brought forward	6	4	6	6	4	8
to bottom of well	1	5	7				Hard snappy grey						
Red marl, with post							metal, with a little						
girdles	4	4	6				water	4	0	3			
COAL, soft... ..	0	0	7				Red metal	0	5	0			
				6	4	8	Light snappy grey						
Soft light metal,							metal, with post						
with post girdles,							girdles	3	1	9			
mixed with danty							Hard black snappy						
coal near the top...	2	3	5				metal, with post						
Dark metal, mixed							girdle and a large						
with coal	0	1	0				feeder of water ...	0	5	0			
Red metal, with post							Light grey metal,						
girdle near middle	0	4	5				with post girdle ...	4	1	10			
Whin or grey bastard							Hard grey post, with						
post	0	3	10				soft grey metal						
Dark grey and red							partings	4	3	6			
metal, 9 inches at							Strong grey post,						
bottom mixed with							with dark metal						
coal	2	3	10				partings and a						
							little water ...	4	3	4			
Carried forward	6	4	6	6	4	8	Carried forward	29	1	2	6	4	8

No. 2,798.—HYLTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	29	1	2	6	4	8	Brought forward	7	1	10	36	1	1
COAL, soft slaty, mixed with brass	0	1	3				Hard white post, with a good feeder of water near the top	4	4	0			
				29	2	5	Mild duffy white post, with soft grey post partings, with gulleys at top: lost part of water ...	2	5	1			
Strong light grey post, with metal partings	1	3	6				Soft grey metal, with post girdles and dark partings, into	8	0	0			
Soft grey metal, with 3 feet of dark leafy metal in the middle, with iron- stone girdles ...	2	2	3								22	4	11
Hard duffy grey post, with metal part- ings	3	2	1										
Carried forward	7	1	10	36	1	1	Total ...				59	0	0

No. 2,799.—HYLTON.

TOWNSHIP OF FORD, DURHAM.

Sheet 7 of Ordnance Map. Lat. , Long.

*Account of Strata sunk and bored through at the New Well, Hylton, near
Sunderland, for The Ford Paperworks Company, Limited.
Commenced October 27th, 1898.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	42	3	0			
Soil	0	1	0				<i>Bored further:—</i>						
Soft yellow clay ...	0	2	0				Limestone	0	2	6			
Hard stony clay ...	1	2	0				Hard limestone girdle	0	0	2			
				1	5	0	Limestone and marl	0	2	9			
Hard limestone ...	3	0	0				Clay parting ...	0	0	4			
Very soft marl ...	0	4	0				Mild limestone ...	0	1	0			
Honey-combed marl and limestone ...	12	3	0				Hard limestone ...	0	0	7			
Hard marl, with limestone panels...	1	4	0				Soft limestone ...	0	0	10			
Very mild marl ...	1	3	0				Loamy sand and						
Marl and limestone	4	1	0				limestone ...	0	2	11			
Honey-combed marl and limestone ...	9	3	0				Hard limestone ...	0	3	1			
Hard limestone ...	4	0	0				Mild limestone ...	0	2	8			
Soft limestone ...	0	5	0				Hard limestone ...	0	0	9			
Dark brown limestone	1	2	0				Sand	0	2	6			
Yellow limestone ...	0	1	6								3	2	1
Dark brown limestone	0	1	6				Grey shalo ...	0	0	6			
Limestone, with part- ings	1	0	0								0	0	6
				40	4	0							
Carried forward				42	3	0	Total ...				45	5	7

No. 2,800.—HYLTON.

TOWNSHIP OF HYLTON, DURHAM.

Sheet 8 of Ordnance Map. Lat. 54° 55' 3", Long. 1° 25' 40".

Account of Strata sunk through in the East Pit, Hylton Colliery. Commenced May 17th, 1897, and stopped January 25th, 1900.

Approximate surface-level 53 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Filled in ground ...	0	3	0				Brought forward	3	1	9	44	1	10½
Strong brown clay...	7	1	9				COAL ...	0	0	6			
Strong boulder-clay	2	3	9								3	2	3
				10	2	6	Seggar-clay ...	0	5	6			
Soft blue metal ...	1	0	7				Blue metal, with						
Black stone ...	0	0	9				ironstone balls ...	3	4	8½			
Soft seggar-clay ...	0	0	6				Grey metal ...	1	2	0			
Leafy post ...	1	0	4				Leafy post ...	0	5	0			
Grey metal ...	0	5	9				Grey metal, with iron-						
Black stone ...	0	0	6				stone balls ...	1	2	4			
Seggar-clay ...	1	0	8				Black stone ...	0	2	0			
Grey metal ...	2	0	7				Blue metal ...	0	4	2			
Black stone ...	0	1	1				Black stone ...	0	5	6			
COAL ...	0	0	1				COAL ...	0	1	0			
				6	4	10					10	2	2½
Seggar-clay ...	0	1	6				Grey metal ...	2	3	10			
Post girdle ...	0	1	0				COAL ...	0	1	5			
Grey metal ...	1	2	5								2	5	3
Black stone ...	0	3	0				Grey metal, with post						
White post ...	0	3	10				girdles ...	4	4	4			
Grey metal ...	0	2	2				Grey metal ...	1	1	0			
Grey post ...	1	3	3				COAL ...	0	1	2			
Black stone ...	0	3	0								6	0	6
Seggar-clay ...	0	1	6				Grey metal ...	2	4	4			
Grey metal ...	6	1	3				COAL ...	0	0	8			
Leafy post ...	2	2	0				Seggar-clay ...	0	3	0			
Blue metal ...	1	2	0				COAL ...	0	0	10			
COAL ...	0	0	2								3	2	10
				15	3	1	Grey metal ...	1	2	0			
Seggar-clay ...	0	3	6				Blue metal ...	0	5	6			
Leafy post ...	1	4	8				COAL ...	0	0	8			
Blue metal ...	2	1	9								2	2	2
COAL ...	0	0	2½				Seggar-clay ...	0	1	0			
				4	4	1½	Grey metal ...	0	5	0			
Seggar-clay ...	0	0	9				Black stone ...	0	0	10			
Grey metal, with post							Post girdle ...	0	2	6			
girdles ...	4	2	3				Blue metal ...	0	3	6			
Grey metal ...	1	3	0				COAL ...	0	0	2			
Black stone ...	0	4	1				Grey metal ...	1	1	10			
							COAL ...	0	1	5			
COAL ...	0	6									3	4	3
Band ...	0	6					Blue metal, with post						
COAL ...	0	3					girdles ...	8	5	9½			
				0	1	3	COAL ...	0	2	7½			
				6	5	4					9	2	5
Seggar-clay ...	0	0	6				Thill ...	0	1	0			
Post ...	2	0	3				White post ...	1	1	0			
Grey metal, with post							Blue metal ...	0	1	6			
girdles ...	1	1	0				Band ...	0	0	5½			
Carried forward	3	1	9	44	1	10½	Carried forward	1	3	11½	85	5	9

No. 2,800.—HYLTON.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		1	3	11½	85	5	9
COAL	Ft. In.	0	6				
Band ...	0	4½					
COAL	0	3½					
Band ...	0	4½					
COAL	0	11½					
	0	2	6				
				2	0	5½	
Seggar-clay ...	0	0	7				
Leafy post ...	2	0	11½				
Black stone ...	1	1	0				
Grey metal ...	0	5	0				
Leafy white post ...	4	3	0				
White post ...	2	1	6				
Strong grey metal ...	0	3	0				
White post ...	14	5	1				
Blue metal ...	3	3	10				
	Ft. In.	1	0				
COAL	0	2½					
COAL	0	2½					
	0	1	5				
				30	1	4½	
Strong grey thill ...	0	4	0				
Seggar-clay ...	2	2	9				
Post ...	9	5	7				
COAL	0	0	11				
				13	1	3	
Seggar-clay and thill	0	4	0				
COAL	0	0	4				
Grey metal, with post girdles	1	0	0				
White post, with whin	2	0	0				
Grey metal ...	0	5	7½				
Black stone ...	0	5	0				
	Ft. In.	0	8				
COAL	0	6					
COAL	0	10					
	0	2	0				
				5	4	11½	
Bastard seggar-clay	0	4	11				
Post girdle ...	0	1	7				
Dark leafy post ...	1	2	5				
Grey leafy post ...	1	0	5				
Dark leafy post ...	0	5	0				
Black and blue metal	2	5	0				
	Ft. In.	0	2½				
COAL	0	1½					
COAL	0	1½					
	0	0	5½				
				7	1	9½	
Dark thill ...	0	2	0				
Leafy post ...	1	2	0				
COAL	0	0	4				
Seggar-clay ...	0	4	6				
White post ...	7	1	11				
Blue metal ...	1	2	0				
Carried forward	11	0	9	144	3	7	

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		11	0	9	144	3	7
COAL	Ft. In.	1	4				
Band ...	0	4					
COAL	2	0					
	0	3	8				
				11	4	5	
Thill ...	0	1	0				
Seggar-clay ...	0	2	2				
White post ...	6	3	4				
Black stone and coal	0	0	6				
Black stone ...	1	0	0				
COAL	0	1	5				
				8	2	5	
Dark thill ...	1	0	7				
Post girdle ...	0	1	0				
Black stone ...	1	0	6				
Black stone and coal	0	0	4				
Blue metal ...	0	5	6				
White post, with partings	10	5	0				
Blue and black metal	3	1	0				
Leafy post ...	6	0	9				
COAL	0	0	9				
				23	3	5	
Grey metal ...	0	4	6				
Leafy post, with metal partings	2	3	0				
Blue metal ...	1	4	0				
COAL	0	2	0				
				5	1	6	
Seggar-clay ...	0	0	8				
Grey metal, with iron girdles	8	0	4				
Leafy post ...	8	4	11				
COAL	0	1	6½				
				17	1	5½	
Band ...	0	0	3½				
Grey metal ...	5	0	8				
Black stone ...	0	1	3				
	Ft. In.	0	3				
COAL	0	4½					
COAL	0	5½					
	0	1	1				
				5	3	3½	
Thill ...	0	3	8				
Post, with whin ...	0	3	1				
Blue metal ...	0	1	4				
Post ...	0	0	13				
Black stone ...	1	2	0				
Grey metal, with iron girdles	5	5	0½				
	Ft. In.	1	3½				
COAL	0	4					
COAL	0	9					
Band ...	0	3					
COAL	0	4					
	0	2	11½				
				9	1	4	
Carried forward	225	3	5				

No. 2,800.—HYLTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				225	3	5	Brought forward				247	2	1 ³ / ₄
Thill ...	0	2	0				Strong seggar-clay...	0	2	10			
Post ...	0	4	0				White post, with						
Black stone ...	0	2	1				partings ...	1	3	4			
<i>Main Coal Seam—</i>							<i>Dark leafy post ...</i>						
COAL ...	1	6					Dark grey metal ...	1	3	9			
Band ...	0	10					<i>Low Main Seam—</i>						
COAL ...	1	4					COAL ...	1	3 ¹ / ₂				
				0	3	8	Splint ...	0	2 ¹ / ₂				
				1	5	9	COAL ...	1	4 ¹ / ₂				
Strong seggar-clay...	0	2	9							0	2	10 ¹ / ₄	
White post ...	0	5	3								4	2	3 ¹ / ₂
Blue metal ...	0	5	6				Strong seggar-clay...	0	0	10			
White post, with							Grey metal ...	0	5	2			
metal partings ...	2	5	8				Post, with metal						
Strong grey post ...	1	3	0				partings ...	1	1	0			
Blue metal, with iron							Post, with whin ...	5	2	6			
girdles ...	1	2	0				Blue metal ...	0	3	0			
Strong blue metal ...	2	1	9				Black stone ...	0	2	2			
Post girdle ...	0	0	7				Blue metal ...	0	5	6			
Blue metal ...	0	2	1				Black stone ...	0	2	10			
Post girdle ...	0	1	0				Blue metal ...	0	3	2			
Blue metal ...	0	2	7				Post girdle ...	0	0	10			
<i>Maudlin Seam—</i>							Black stone ...	0	1	6			
COAL ...	3	4					<i>Hutton Seam—</i>						
Splint ...	0	2					COAL, can-						
COAL ...	1	7					nel ...	0	3				
Band ...	0	1					COAL ...	4	7 ¹ / ₂				
COAL ...	0	7								0	4	10 ¹ / ₂	
				0	5	9					11	3	4 ¹ / ₂
				12	1	11	Dark thill ...	0	0	6			
Dark seggar-clay ...	0	1	6				Strong seggar-clay...	0	3	0			
COAL ...	0	0	3				Dark grey metal ...	4	4	6			
Strong seggar-clay...	0	3	3				Post girdle ...	0	1	2			
Grey metal ...	1	4	10				Blue metal ...	1	2	6			
COAL ...	0	5					Post girdle ...	0	1	2			
Band ...	0	1					Blue metal ...	0	3	6			
COAL ...	0	11 ¹ / ₂					Dark leafy post	1	1	6			
				0	1	5 ¹ / ₂	Blue metal ...	0	4	6			
				2	5	3 ¹ / ₂	Post girdle ...	0	0	11			
Seggar-clay ...	0	1	1				Blue metal ...	0	2	9 ¹ / ₂			
White post, with							White post ...	7	3	1 ¹ / ₂			
metal partings ...	0	5	1				Grey post ...	0	1	0			
Grey metal ...	0	2	7				Blue metal ...	1	0	0			
COAL ...	0	0	8				Dark leafy post	1	4	0			
				1	3	5	Blue metal ...	1	2	0			
Seggar-clay ...	0	0	8 ¹ / ₂				Black stone ...	0	0	4			
Grey metal ...	0	3	11 ¹ / ₂				Seggar-clay ...	0	3	6			
Strong post girdles	0	0	11				Blue metal, with post						
Grey metal, with post							girdles ...	1	4	0			
girdles ...	1	1	0				COAL ...	0	0	5			
Blue metal ...	0	3	6							24	2	5	
Black stone ...	0	1	6				Seggar-clay ...	0	2	0			
							Leafy post ...	1	4	7			
COAL ...	0	7 ¹ / ₂					COAL ...	0	0	4			
Band ...	0	0 ³ / ₄					Blue metal ...	0	1	4			
COAL ...	0	1					COAL ...	0	0	1			
				0	0	9 ¹ / ₄					2	2	4
				3	0	4 ¹ / ₂	Shale ...	0	4	0			
Carried forward				247	2	1 ³ / ₄	Carried forward	0	4	0	290	0	6 ¹ / ₂

No. 2,800.—HYLTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	0	4	0	290	0	6½	Brought forward	2	1	1	293	4	3½	
White post ...	...	0	4	6			Blue metal ...	...	0	0	4		
Grey post ...	...	0	2	0			White post ...	...	2	0	0		
Blue metal ...	...	1	1	3			COAL ...	...	0	0	7		
Seggar-clay ...	...	0	0	8							4	2	0
Harvey Seam—							Seggar-clay ...	...	0	3	0		
COAL ...	...	0	3	4			Blue metal ...	...	0	2	0		
					3	3	9	Leafy post	1	1	9		
Blue metal ...	...	0	0	11			Blue metal ...	...	0	4	0		
COAL ...	...	0	0	4			Post ...	...	0	2	6		
Blue metal ...	...	0	0	8			COAL ...	...	0	0	3		
COAL ...	...	0	0	1			Blue metal ...	...	0	4	0		
Seggar-clay ...	...	0	2	0			COAL ...	...	0	0	4		
White post ...	...	1	3	0							3	5	10
COAL ...	...	0	0	1									
Carried forward	2	1	1	293	4	3½	Total ...				302	0	1½	

No. 2,801.—JARROW.

TOWNSHIP OF JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 58", Long. 1° 28' 57".

Account of Strata sunk through in the Alfred Pit, Jarrow Colliery.
Commenced June 29th, 1801.

Approximate surface-level 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	10	1	10				Brought forward	0	4	6	18	4	4
Dry sand, mixed with clay ...	0	5	0				Soft cashy parting ...	0	0	2			
Sand, with about 300 gallons of water per hour near the top ...	1	1	0				Grey post, with grey metal partings ...	1	1	0			
Gravel, full of large whin and freestone tumblers, some about 4 feet in diameter ...	1	0	6				Grey metal ...	...	0	4	4		
				13	2	4	Black slaty stone ...	...	0	0	6		
COAL , outburst ...	0	0	10										
Blue metal: water cribbed off ...	1	4	0				COAL ...	...	0	4			
Post girdle ...	0	0	8				Soft white band ...	0	1½				
Grey metal ...	0	5	0				COAL ...	1	0½				
Black stone ...	0	5	0								3	0	0
Grey metal, with about 250 gallons of water per hour ...	1	3	0				Grey thill ...	...	0	2	0		
COAL ...	0	1	6				Grey metal, mixed with post ...	...	0	3	4		
				5	2	0	White post, with metal partings, and about 7,000 gallons of water per hour ...	...	1	0	4		
Grey thill ...	0	1	6				Grey metal stone: part of water tubbed off... ..	...	0	2	8		
Grey metal, with about 900 gallons of water per hour ...	0	3	0				White post ...	...	0	1	10		
							Blue stone: more water tubbed off... ..	...	0	3	6		
Carried forward	0	4	6	18	4	4	Grey metal, with scares of post ...	...	0	1	6		
							Black stone ...	...	0	5	6		
							Carried forward	4	2	8	21	4	4

No. 2,801.—JARROW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	8	21	4	4	Brought forward	0	1	8	62	1	5
Grey metal ...	0	1	2				White thill, mixed						
COAL ...	0	0	8				with post ...	0	1	2			
				4	4	6	Blue metal ...	0	0	3			
Strong grey thill ...	0	3	6				White thill, mixed						
Grey metal, clouded							with post ...	0	1	10			
with post and post							Blue metal ...	0	0	6			
girdles ...	1	3	6				White thill, mixed						
Post girdles, with							with post ..	0	4	4			
metal partings ...	0	1	4				COAL ...			0	0	3	
Post girdle, very											1	4	0
strong ...	0	2	0				Grey thill ...	0	0	10			
Grey metal, with							White post, mixed						
scares of post ...	0	2	0				with whin ...	0	3	0			
White post ...	1	1	7				Scamy post ...	0	3	4			
Grey metal, with							Blue metal stone ...	0	2	4			
scares of post ...	0	2	7				Post girdle ...	0	1	0			
Blue stone ...	1	0	5				Blue metal ...	0	5	6			
Post girdle, with							Black stone ...	0	1	6			
metal partings ...	1	0	0										
Grey metal, with													
scares of post ...	0	1	0				COAL ...						
Blue metal stone ...	0	4	0				Ft. In.						
Post, with grey metal							Black slaty	0	10				
balls ...	0	5	0				band ...	0	4				
Strong white post,							COAL ...	0	11				
inclining to whin at										0	2	1	
bottom ...	1	4	0								3	1	7
COAL , 8 inches							Grey posty thill ...	0	4	0			
thick on south side							Grey metal stone,						
and 2 inches on							mixed with whin						
north side...	0	0	5	10	1	4	and ironstone						
							girdles ...	4	0	0			
Grey thill ...	0	1	0				Blue metal stone,						
Grey and blue metal							mixed with iron						
stone, mixed with							girdles ...	2	1	0			
girdles ...	1	2	0				Black stone ...	0	5	8			
Black stone ...	0	0	4				COAL ...	0	0	4			
COAL ...	0	0	2								7	5	0
				1	3	6	Grey thill ...	0	2	0			
Fine blue stone ...	12	0	11				Grey scamy post ...	1	0	0			
Black stone ...	0	4	6				Grey post, mixed						
COAL ...	0	0	9				with whin...	0	2	0			
Soft white band ...	0	0	3				Blue metal ...	0	3	11			
COAL , mixed with							COAL ...	0	0	1½			
black slate...	0	2	0								2	2	0½
				13	2	5	Grey thill ...	0	3	0			
Grey thill ...	0	2	6				Greyish post ...	2	1	3			
Post, with grey metal							Blue metal ...	0	3	6			
balls ...	1	0	8				COAL ...	0	0	9½			
Strong white and											3	2	6½
green post, with							Strong dark grey						
dark red partings							thill ...	0	4	3			
and green scares of							Blue metal ...	0	5	6			
fire-stone ...	7	2	2				Whin, mixed with						
Blue metal, with							post girdles ...	0	2	6			
balls of coal ...	1	3	7				Blue metal ...	1	0	8			
COAL ...	0	0	5				Brassy whin girdle...	0	0	8			
				10	3	4	COAL , with a black						
Dark grey thill ...	0	1	8				slaty band 3 inches						
							thick ...	0	0	7			
											3	2	2
Carried forward	0	1	8	62	1	5	Carried forward				84	0	9

No. 2,801.—JARROW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				84	0	9		Brought forward	3	0	1	96	3	3½
Strong grey thill ...	1	1	6					Blue metal, with post						
Blue metal ...	1	4	0					and ironstone						
COAL ...	0	1	3					girdles ...	1	1	8			
				3	0	9		Post: generally						
Grey thill ...	0	3	0					called the Seventy						
Dark grey posty thill	0	3	0					Fathoms Post ...	9	1	0			
Blue and grey metal,								Post, with metal						
with thin post								partings ...	1	1	0			
girdles ...	0	4	0					Black stone ...	0	4	0			
Strong white post:								Grey metal, mixed						
Seventy Fathoms								with post ...	1	1	0			
Post ...	6	5	0½					Grey metal ...	0	1	6			
Blue metal ...	0	2	3					Black stone ...	2	5	0			
Post ...	0	1	3					Thill, mixed with						
Black stone ...	0	0	6					grey metal ...	1	1	8			
<i>Seventy Fathoms Seam—</i>								Strong white post ...	8	3	0			
COAL ...	0	0	9					<i>High Main Seam—</i>						
				9	1	9½								
Grey thill ...	0	3	0					COAL ...						
Strong grey metal								Ft. In.						
stone ...	0	5	0					... 3 6						
Post ...	0	3	6					Slaty band... 0 1						
Blue metal ...	0	3	6					Splint ... 0 1						
Black stone ...	0	0	1					COAL ... 2 6						
Grey thill ...	0	3	0						1 0 2					
									30 2 1					
Carried forward	3	0	1	96	3	3½		Total ...	126	5	4½			

No. 2,802.—JARROW.

TOWNSHIP OF JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole on Jarrow Slake, for Messrs. Sandeman and Moncrieff, March, 1899.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
River mud and sand	0	4	0				Brought forward	9	2	0			
Silt ...	...	0	2	0			Sand and clay ...	0	1	0			
Light sand ...	...	1	0	0			Very solid coarse						
Dark sand ...	...	0	2	0			sand ...	0	2	8			
Light sand ...	...	4	4	0			Gravel, with sand ...	1	4	0			
Light sand, sharp ...	...	1	0	0							11	3	8
Laminated clay ...	...	0	3	0			Stone ...	0	0	4			
Sand and silt ...	...	0	5	0							0	0	4
Carried forward	9	2	0				Total ...	...	11	4	0		

No. 2,803.—JARROW.

TOWNSHIP OF JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at the Jarrow Forge, Jarrow, September, 1898.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Made ground, sand and gravel ...	5	1	0				Brought forward	8	4	6	13	0	6
Black mud and silt, with a little water	0	2	6				Grey shale ...	1	1	6			
Brown stony clay ...	2	0	0				Strong grey post, with water	0	5	0			
Laminated clay ...	0	4	6				Blue shale ...	0	3	6			
Hard stony clay ...	2	0	0				White post, with shale partings	1	0	6			
Red clay ...	1	0	0				COAL ...	0	0	4			
Loamy clay ...	1	0	0								12	3	4
Stony clay ...	0	4	6				Grey shale, with post girdles	2	0	8			
				13	0	6	Black shale ...	0	2	6			
Freestone ...	1	0	0				Strong grey post	1	4	6			
Grey shale ...	3	1	6				Grey shale, with post girdles	1	4	0			
Blue shale ...	1	0	6				Strong white post	1	1	0			
Hard white post, with shale partings	1	1	6				Grey shale, with coal partings	0	5	0			
Blue shale ...	1	0	0				White post, with shale partings, into	0	3	0			
Black stone, with coal partings	0	0	10								8	2	8
Grey shale, with post girdles	1	0	2										
Carried forward	8	4	6	13	0	6	Total ...				34	0	6

No. 2,804.—KEPIER.

TOWNSHIP OF BELMONT, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 23", Long. 1° 34' 24".

Account of Strata passed through in a Bore-hole below the Busty Seam, Florence Pit, Kepier Colliery.—Continuation of No. 1,229.

Approximate surface-level 250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of Busty Seam ...	58	5	3½				Brought forward	1	4	9	59	5	3½
Sump ...				59	5	3½	Grey metal, with post girdles	1	2	11			
Strong grey metal ...	0	1	9				Strong white post	3	1	8			
Grey metal, with post girdles	1	2	9				Soft parting	0	0	3			
Soft partings, with gas and water	0	0	3				Grey post	0	1	0			
Carried forward	1	4	9	59	5	3½	Strong white post	0	0	8			
							Dark grey metal	0	0	4			
							Soft grey metal	0	2	4			
							Dark grey metal	0	1	5			
							Carried forward	7	3	4	59	5	3½

No. 2,804.—KEPIER.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	7	3	4	5	9	5	3	3	3	5	7	2	3
COAL, with shale partings ...	0	6					Grey metal, with post girdles ...	0	3	9			
COAL, cleaner near bottom	1	3					Strong white post ...	1	2	9			
			0	1	9		COAL ...	0	0	5			
					7	5	1				5	4	4
Strong white thill ...	0	1	11				Grey post, with metal partings ...	0	4	0			
Grey metal, with post girdles ...	0	4	3				Dark grey metal, with ironstone balls ...	0	4	0			
Grey post, with metal partings ...	0	2	6				Strong white post, with metal partings ...	0	1	7			
White post ...	0	3	0				Dark grey metal, with post girdles ...	1	5	10			
Grey metal, with post girdles and gas ...	1	4	5				Dark grey metal, with ironstone balls ...	0	4	5			
Dark grey metal ...	0	2	6				Grey metal, with post girdles ...	0	1	6			
Grey post ...	0	1	7				Dark grey metal ...	1	0	6			
Dark grey metal ...	0	0	3				Black stone ...	0	1	2			
COAL ...	0	0	4				Grey metal, with post girdles ...	2	2	9			
				4	2	9	Black stone ...	0	0	2			
Black stone, with coal pipes near bottom	0	1	2				Grey metal thill ...	0	0	7			
Dark grey metal ...	0	0	9				Strong white post, with metal partings ...	0	2	6			
Black stone ...	0	0	3				Strong white post ...	1	3	10			
COAL ...	0	0	8				Brown whin ...	0	1	0			
				0	2	10	Strong white post ...	1	0	4			
Very dark metal, with coal ...	0	0	6				Dark grey metal, with post girdles ...	0	4	2			
Dark grey metal ...	0	0	11				Grey metal ...	0	2	5			
Strong grey metal, with post girdles ...	0	4	0				Whin ...	0	0	11			
Light grey metal ...	0	5	8				Light grey metal, with post girdles, into ...	1	2	11			
Grey metal, with post girdles ...	0	4	0								14	2	7
Grey post, with metal partings ...	0	3	6										
Strong white post ...	0	2	10										
Carried forward	3	3	5	7	2	3	Total ...				92	4	11

No. 2,805.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. $54^{\circ} 47' 30''$, Long. $1^{\circ} 31' 58''$.*Account of Strata sunk and bored through in the Kepier Grange Pit, near Durham, 1844 and 1862.*

Approximate surface-level 250 feet above sea (Ordnance datum).

Sinking:—	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	10				Freestone ...	3	0	0	1	0	10
Brown sandy clay ...	1	0	0				Grey metal ...	0	2	0			
				1	0	10	Black metal ...	0	0	3			
Carried forward				1	0	10	Carried forward	3	2	3	1	0	10

No. 2,805.—KEPIER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	3	1	0	10	Brought forward	6	3	11	43	2	0
Dark grey metal ...	2	3	0				White post ...	0	2	0			
Strong grey metal ...	1	5	0				Grey metal ...	0	4	0			
Grey metal, with post							White post, with						
girdles ...	1	3	0				water ...	2	1	0			
Post ...	1	1	0				Grey post ...	1	2	0			
Grey metal ...	0	1	3				White post ...	1	2	6			
Brown freestone ...	10	1	8				Grey post ...	2	1	6			
Grey metal ...	1	1	0				Dark metal ...	0	0	6			
Grey post ...	4	0	0				Grey metal, with post						
Grey metal ...	1	0	0				girdles ...	1	3	0			
Black metal ...	0	0	9				Black metal...	0	1	9			
<i>Low Main Seam—</i>							White post ...	1	5	4			
COAL ...	0	3	3				Grey metal, with post						
				27	4	2	girdles ...	2	5	10			
Soft grey metal ...	0	0	6				Black metal...	0	0	8			
Grey metal, with post							Supposed <i>Harvey</i>						
girdles ...	0	3	7				<i>Seam—</i>						
Grey metal, with post							COAL ...	0	1	8			
girdles and water	1	2	0								21	5	8
Grey metal ...	3	0	7				Soft metal ...	0	0	3			
COAL ...	0	1	4				Metal stone, with						
				5	2	0	post girdles ...	11	1	0			
Black metal ...	0	0	3				Strong grey and						
Grey metal, with post							white post...	2	4	6			
girdles ...	1	1	2				Strong grey metal						
COAL ...	0	0	10				stone, inclining to						
				1	2	3	post ...	2	2	6			
Dark grey metal ...	0	2	2				White post ...	3	5	1			
COAL ...	0	0	8				COAL ...	0	1	10			
				0	2	10					20	3	2
Grey metal ...	2	4	4				Grey metal ...	1	3	0			
Post ...	0	4	3				Post ...	2	0	8			
Grey metal ...	3	0	1				COAL ...	0	1	7			
<i>Hutton Seam—</i>											3	5	3
COAL ...	Ft.	In.					Dark metal ...	0	1	5			
COAL , bot-	4	0					Post ...	7	1	6			
tom ...	1	3					Grey metal ...	2	4	0			
				0	5	3	COAL ...	0	1	2			
				7	1	11					10	2	1
				43	2	0	Grey metal, with post						
<i>Bored further, at a</i>							girdles ...	5	4	6			
point about 76							COAL ...	0	3	1			
yards North, and											6	1	7
57½ yards West,							Grey metal ...	0	2	0			
from the Shaft:—							White post ...	0	5	6			
Pipe from bottom of							COAL ...	0	0	6			
<i>Hutton Seam</i> ...	1	0	0								1	2	0
Grey metal ...	5	3	11				Grey post, with metal						
							partings, into ...	3	1	6			
											3	1	6
Carried forward	6	3	11	43	2	0	Total ...	110	5	3			

No. 2,806.—KIBBLESWORTH.

TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 12 of Ordnance Map. Lat. $54^{\circ} 53' 39''$, Long. $1^{\circ} 38' 30''$.

*Account of Strata passed through in a Bore-hole in a Field on the West side of
the Road, 70 yards South from the Corner of Beamish North Lodge.
Commenced March 5th, 1889, and stopped June 8th, 1889.*

Approximate surface-level 410 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	5	1	0	21	4	9
Yellow clay and light marl... ..	1	1	6				Very hard white post, with metal partings	0	5	6			
				1	2	6	Strong dark grey metal, with thin post girdles	1	5	7			
Freestone gravel and black shale: much freestone, with water	3	4	9				Black metal, with an inch of coal 8 inches from top ...	0	2	0			
Yellow freestone, with a little clay	0	1	6				Strong grey shale, with thin post girdles and coal pipes	3	2	2			
Light grey shale ...	0	4	8				Hard white post, with yellow free- stone partings and water	6	2	2			
Black shale, with a little coal	0	0	3				<i>Maudlin Seam—</i>						
Light grey metal, with post girdles...	1	2	8				COAL , mixed						
Grey and yellow post, with shale partings	3	3	9				with shale	0	8				
Strong grey post ...	0	3	4				COAL , hard	0	10				
Strong light grey metal	0	4	0							0	1	6	
<i>Five-Quarter Seam—</i>											18	1	11
COAL , rather coarse, with $\frac{3}{4}$ inch of brass near the bottom	0	2	11				Grey shale, with coal pipes and post girdles, 3 inches ...	2	3	4			
				11	3	10	Strong dark grey post girdles	4	0	3			
Black shale	0	0	2				Strong dark grey post, with metal partings and coal pipes	2	4	0			
Light grey shale ...	0	1	2				Very hard grey post panel	0	1	4			
Coal pipe	0	0	1				Soft dark grey metal	0	2	3			
Grey shale, with thin post girdles	1	3	9				Dark shale and coal	0	0	8			
Grey and yellow post, with water...	1	2	6				Light grey metal ...	0	0	4			
Strong grey shale, with post girdles...	4	3	6				<i>Low Main Seam—</i>						
Very dark shale ...	0	1	2				COAL , very hard	0	4	8			
<i>Main Coal Seam—</i>											10	4	10
COAL	0	4	1				Light grey metal ...	0	3	2			
				8	4	5	Grey post, with shale partings	0	4	6			
Light grey metal ...	0	2	3				Hard white post ...	4	1	3			
Hard white and yellow post, with metal partings ...	1	5	9				Dark grey metal ...	0	3	7			
Grey metal, with a post panel near bottom	1	4	9				<i>Hutton Seam—</i>						
Very dark grey metal, with thin post girdles	1	0	3				COAL	0	4	0			
											6	4	6
Carried forward	5	1	0	21	4	9	Total				57	4	0

No. 2,807.—KIBBLESWORTH.

TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 54' 4", Long. 1° 37' 28".

Account of Strata sunk and bored through from the bottom of the Hutton Seam in the Fan Shaft of the Robert Pit, Kibblesworth Colliery, 35 feet West-north-west from the Pit Shaft, January to August, 1908.—Continuation of No. 1,232.

Approximate surface-level 259 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to <i>Hutton Seam</i> ...				59	0	2							
<i>Sinking:—</i>							Brought forward	3	5	6	78	1	1
Black shale ...	0	0	9				Strong white post ...	0	2	11			
Seggar-clay ...	0	3	0				Blue metal ...	0	2	2			
Strong white post ...	0	3	0				Black stone ...	0	0	3			
Grey metal ...	0	4	2				<i>Beaumont Seam—</i>						
Strong white post ...	0	4	3				COAL ...	0	2	0			
Blue metal ...	0	1	5								5	0	10
Black shale ...	0	0	2				Dark shale and coal ...	0	1	5			
Grey metal ...	0	3	11				White post ...	2	1	3			
Black stone and coal ...	0	1	0				COAL ...	0	0	3			
Seggar-clay ...	0	1	6				White post ...	1	4	8			
Grey metal, with post girdles ...	1	4	0				COAL ...	0	0	4			
White post ...	0	4	2				Seggar-clay ...	0	1	8			
Black stone ...	0	0	5				Grey post ...	0	2	4			
Grey metal, with post girdles ...	1	4	1				Black shale and coal ...	0	0	11			
White post, with whin girdles ...	3	0	4				Seggar-clay ...	0	0	6			
COAL ...	0	1	1				Grey metal ...	0	1	5			
				11	1	3	White post ...	3	2	10			
Seggar-clay ...	0	0	5				Leafy post ...	0	1	8			
Dark metal and coal ...	0	0	4				<i>Tilley Seam—</i>						
Seggar-clay ...	0	1	8				COAL ...	1	0				
Grey metal ...	0	2	2				Black stone ...	0	1 $\frac{1}{4}$				
Leafy post ...	2	2	8				COAL ...	0	1 $\frac{1}{4}$				
Strong white post and whin ...	0	5	6				Black stone ...	0	0 $\frac{1}{2}$				
Blue metal ...	0	0	4				COAL ...	1	4				
Strong white post ...	0	1	9						0	2	7		
Grey metal, with post girdles ...	1	1	6								9	3	10
Blue metal, with iron girdles ...	1	3	7				Seggar-clay ...	0	2	8			
Black stone ...	0	2	11				White post ...	0	3	2			
COAL ...	0	0	10				Grey metal ...	0	1	7			
				7	5	8	COAL ...	0	0	4			
Seggar-clay ...	1	0	10				Seggar-clay ...	0	3	0			
COAL ...	0	0	1				Grey metal, with iron girdles ...	1	4	4			
Seggar-clay ...	0	0	9				White post, with metal partings ...	0	5	0			
Grey metal, with post girdles ...	0	5	0				Grey metal ...	0	2	0			
Blue metal, with iron girdles ...	1	0	0				Black stone ...	0	0	3			
COAL ...	0	0	2				<i>Top Busty Seam—</i>						
Seggar-clay ...	0	0	4				COAL ...	1	6				
Grey metal ...	0	4	4				Seggar-clay ...	1	4				
							COAL ...	0	8				
Carried forward	3	5	6	78	1	1			0	3	6		
											5	1	10
							Seggar-clay ...	0	2	8			
							Grey metal, with iron girdles ...	1	0	1			
							Carried forward	1	2	9	98	1	7

No. 2,807.—KIBBLESWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	9	98	1	7	Brought forward	113	4	0			
<i>Bottom Busty Seam—</i>							Seggar-clay ...	0	0	8			
COAL ...	0	1	9				White post ...	4	0	1			
				1	4	6	Blue metal ...	0	1	6			
Seggar-clay, good ...	0	4	0				<i>Brockwell Seam—</i>						
Grey metal, with post							COAL ...	Ft. In.					
and iron girdles ...	3	2	10				Splint ...	0 7					
White post, with									0	2	3		
metal partings ...	4	0	8								4	4	6
Black stone ...	0	2	4				Seggar-clay ...	0	2	8			
COAL ...	0	0	5				COAL ...	0	0	8½			
Seggar-clay ...	0	3	3				Seggar-clay ...	0	0	6			
Grey metal, with iron							Post ...	1	3	9½			
girdles ...	0	4	8								2	1	8
COAL ...	0	0	3										
Grey metal, with post											120	4	2
girdles ...	2	4	3										
Blue metal ...	0	2	9				<i>Bored further:—</i>						
Black stone ...	0	0	4				Hard white post ...	5	1	2			
<i>Three-Quarter Seam—</i>							Very dark blue metal	0	5	3			
	Ft. In.						Dark blue metal ...	0	1	5			
COAL ...	0 9½						Seggar-clay ...	0	0	9			
Splint ...	0 1						Strong white post ...	0	2	3			
COAL, coarse ...	0 ½						Blue metal ...	1	0	2			
Splint ...	0 1						White post ...	0	2	4			
COAL ...	1 1½						Blue metal ...	0	4	5			
		0	2	2			Hard white post ...	1	2	3			
				13	3	11					10	2	0
Carried forward				113	4	0	Total...				131	0	2

No. 2,808. KIBBLESWORTH.

TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53' 45", Long. 1° 38' 16".

Account of Strata passed through in the No. 2 Bore-hole, near Beamish North Lodge, 1898.

Approximate surface-level 395 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward	14	5	4	1	1	6
Yellow clay ...	0	5	6				Grey post ...	1	2	4			
				1	1	6	Grey shale, with post						
Light grey shale ...	0	4	6				girdles ...	1	2	4			
Clay shale and sand-							Dark grey shale, with						
stone, mixed ...	1	3	2				post girdles ...	0	2	0			
Yellow and grey free-							Dark grey shale ...	0	2	0			
stone ...	1	4	0				Strong grey shale,						
Grey freestone ...	2	2	0				with coal pipes ...	2	5	0			
Grey post ...	2	1	0				Strong grey shale,						
Hard grey post ...	3	0	6				with post girdles...	1	2	2			
Hard white post ...	2	4	3				Dark grey shale, with						
Grey whin ...	0	2	6				post girdles ...	0	5	1			
Grey shale ...	0	1	5										
Carried forward	14	5	4	1	1	6	Carried forward	23	2	3	1	1	6

No. 2,808.—KIBBLESWORTH.—CONTINUED.

Brought forward										23	2	3	1	1	6	Brought forward										23	4	2	25	3	1																							
										Ft.	In.	Fs.	Ft.	In.												Fs.	Ft.	In.	Fs.	Ft.	In.																							
COAL ...										0	6											Very strong white post ...										0	0	8																				
Blackstoneand																				COAL, soft																																		
<i>coal</i> ...										0	7											and dull ...										2	3																					
COAL, dull ...										2	3											COAL ...										1	5½																					
COAL ...										1	3											COAL, splint ...										0	4½																					
Blackstoneand																				COAL ...										2	2½																							
<i>coal</i> ...										0	9											COAL, coarse,																																
										0	5	4											and stone ...										0	5½																				
										24										1	7	COAL ...										0	3																					
Dark grey shale ...										0	0	10																					1	1	0																			
Grey post, with thin partings ...										0	2	6																					24										5	10										
Hard grey post, with shale partings ...										0	2	6											Hard white post ...										0	3	6																			
Strong grey post ...										0	3	6											Hard white post, with ironstone																															
Dark grey shale ...										0	0	6											girdles ...										0	4	6																			
Dark grey shale, with post girdles ...										0	4	0																					Ft. In.																					
Dark grey shale ...										0	1	6											COAL ...										1	7																				
Grey post ...										0	2	8											Blackstoneand																															
Grey post, with hard white panels ...										0	3	6											<i>coal</i> ...										0	10																				
Grey shale, with post girdles ...										2	0	9																					0	2	5																			
Dark grey shale, with post girdles ...										3	0	6																					1										4	5										
Hard grey shale ...										0	1	9											Grey shale ...										0	0	9																			
Grey post, with thin partings ...										0	2	0											Dark grey shale, with post girdles ...										0	3	0																			
Grey post ...										0	1	6											Grey shale and post										0	2	5																			
Hard white post ...										7	1	9											Grey post, with hard white panels ...										0	3	0																			
Dark grey shale, with hard post girdles...										5	2	7											Grey shale, with post girdles ...										0	4	10																			
Grey shale ...										0	0	2											Hard white post ...										0	1	11																			
Ironstone ...										0	0	8											Grey metal, with hard white panels										1	0	6																			
Iron band ...										0	2	10											Hard white post ...										0	5	10																			
Very strong hard white post...										0	0	5											Grey post, with hard white panels ...										1	1	7																			
Ironstone ...										0	1	2											Blue metal ...										0	1	6																			
White post, with thin partings ...										0	2	7											Hutton Seam—																															
																				COAL ...										0	4	0																						
																														6										5	4													
Carried forward										23	4	2	25	3	1											Total ...										59	0	8																

No. 2,809.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in a Bore-hole on Killingworth Moor,
800 yards South from the West Post, 1696.*

Approximate surface-level feet above sea (Ordnance datum).

Earth	...	...	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
			7	0	0								7	0	0
			<hr/>			7	0	0	Grey metal	...	...	1	5	0	
Carried forward						7	0	0	Carried forward			1	5	0	7 0 0

No. 2,809.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	5	0	7	0	0	Brought forward	30	5	6			
White post ...	6	2	0				Grey thill ...	0	1	0			
COAL ...	0	1	0				Grey stone ...	3	0	6			
				8	2	0							
Grey thill ...	0	1	0				COAL ...	0	7				
Blue stone ...	0	2	0				Black metal ...	0	1				
White post ...	7	3	0				COAL ...	3	0				
Grey metal ...	0	0	4										
COAL ...	0	2	0					0	3	8			
				8	2	4					3	5	2
Grey thill ...	0	1	0				Grey thill ...	0	2	6			
Blue stone ...	1	4	0				Grey stone ...	0	3	0			
Black stone...	0	1	3				Grey metal ...	0	3	0			
Blue stone ...	0	3	0				Grey whin, with						
Whin ...	0	1	0				girdles ...	2	2	0			
Grey whin, with							White post ...	0	3	0			
girdles ...	0	5	0				Grey stone ...	1	2	0			
Blue metal ...	1	3	0				Whin ...	0	3	0			
COAL ...	0	0	5				Grey stone ...	0	3	0			
				5	0	8	Whin ...	0	2	0			
Grey thill ...	0	1	0				Grey stone ...	0	3	0			
Post ...	0	3	0				COAL ...	0	2	0			
Strong whin ...	0	3	0								7	4	6
Black stone ...	0	5	0				Grey thill ...	0	2	0			
COAL ...	0	0	6				White post ...	0	2	0			
				2	0	6					0	4	0
Carried forward				30	5	6	Total ...				43	1	2

No. 2,810.—KIMBLESWORTH.

TOWNSHIP OF KIMBLESWORTH, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 48' 57", Long. 1° 35' 42".

*Account of Strata sunk through in the No. 3 Pit, Kimblesworth Colliery.
Commenced September 10th, 1894, and stopped June 28th, 1895.*

Approximate surface-level 295 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy clay ...	0	4	6				Brought forward	4	0	6	21	3	2
Dark clay, mixed							Dark grey post ...	1	0	0			
with stone ...	2	0	6				Blue metal ...	1	3	7			
				2	5	0	<i>Brass Thill Seam—</i>						
Blue metal ...	2	0	2				COAL ...	0	2	6			
Brown post ...	8	1	7								7	0	7
Dark post ...	0	2	8				Seggar-clay, with						
Yellow and white							hard post panels...	0	4	10			
post, broken ...	7	3	3				COAL ...	0	0	8			
<i>Low Main Seam—</i>											0	5	6
COAL ...	0	2	6				Seggar-clay ...	0	1	0			
				18	4	2	Blue leafy post, with						
Seggar-clay ...	0	2	6				grey post panels...	1	0	4			
Dark leafy post, with							Grey leafy post ...	0	4	5			
post panels ...	2	3	6				Blue metal, with						
Grey post ...	1	0	6				grey post panels...	2	5	2			
Carried forward	4	0	6	21	3	2	Carried forward	4	4	11	29	3	3

No. 2,810.—KIMBLESWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	4	11	29	3	3	Brought forward	3	2	1	55	3	2
<i>Hutton Seam—</i>							<i>Harvey Seam—</i>						
COAL		Ft.	In.				COAL	...	...	0	1	5	
COAL, coarse 0 ⁶													3 3 6
		0	3	7			Fire-clay	...	...	0	1	0	
					5	2	6	Grey metal	...	...	0	2	0
Dark seggar-clay	...	0	1	2			Grey post	...	...	1	2	0	
COAL	...	0	0	4			Grey metal	...	...	1	1	6	
					0	1	6	COAL	...	...	0	0	2
Grey seggar-clay	...	0	4	7									3 0 8
Grey post, jointy	...	2	1	5			Grey post	...	...	0	5	0	
Dark metal	...	0	0	5			COAL	...	...	0	0	6	
Grey metal	...	6	0	8									0 5 6
Blue metal, with post							Bastard seggar-clay	...	...	0	5	6	
girdles	...	1	4	6			Grey post	...	...	0	4	3	
COAL	...	0	0	4			Blue metal, with post						
					10	5	11	girdles	...	...	0	5	3
Blue metal, with post							COAL	...	...	0	1	6	
girdles	...	0	5	10									2 4 6
COAL	...	0	4				Fire-clay	...	...	0	2	8	
Black metal	...	0	4				COAL	...	...	0	0	6	
COAL	...	0	2				Fire-clay	...	...	0	1	9	
					0	0	10	COAL	...	...	0	0	6
					1	0	8						0 5 5
Fire-clay	...	0	0	9			Fire-clay	...	...	0	1	0	
Grey post	...	0	4	6			Hard white post	...	...	8	1	9	
White post	...	1	0	7			<i>Busty Seam—</i>						
COAL	...	0	0	9			COAL	...	Ft.	In.			
					2	0	7	Band	...	0	2		
Grey metal, with							COAL, coarse	...	0	2			
post girdles	...	4	0	9			Band	...	0	1			
Blue metal	...	1	5	8			COAL	...	1	7 ¹ ₄			
COAL	...	0	0	4						0	4	0	
					6	0	9						9 0 9
Fire-clay, with iron							Fire-clay	...	...	0	3	6	
balls	...	1	4	8			Bastard fire-clay,						
Grey post, with whin							with iron balls	...	...	0	5	6	
girdles	...	1	2	0			Grey metal, with post						
Blue metal	...	0	1	5			girdles	...	...	3	0	0	
													4 3 0
Carried forward	3	2	1	55	3	2	Total	...	...	80	2	6	

No. 2,811.—KINGSWOOD.

TOWNSHIP OF HENSHAW (DETACHED), NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole, 45 yards to the Dip of the Water-level, near the West Boundary, Kingswood Common.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	1	4	0	Brought forward				1	4	0
					1	4	0	Plate ...	...	...	0	1	4
Carried forward					1	4	0	Carried forward			0	1	4
											1	4	0

No. 2,811.—KINGSWOOD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	4	1	4	0	Brought forward	1	4	4	2	1	4
	Ft.	In.					Grey beds ...	0	0	6			
COAL, foul ...	0	6					Grey post ...	0	5	0			
COAL, good...	1	6					Brown freestone	0	2	0			
	0	2	0				White freestone	3	4	9			
				0	3	4	Plate ...	0	1	3			
Grey beds ...	1	4	0				COAL	0	4	2			
Post ...	0	0	4								7	4	0
Carried forward	1	4	4	2	1	4	Total ...				9	5	4

No. 2,812.—KINGSWOOD.

TOWNSHIP OF HENSHAW (DETACHED), NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole, 70 yards to the Dip of the Water-level, at the West end of Kingswood Common.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Clay	1	2	6				Brought forward	2	4	10	1	2	6			
				1	2	6	Ironstone	0	0	2						
White freestone ...	0	2	9				Plate	0	0	7						
Grey beds	0	1	1													
Parting	0	0	2				COAL, foul... ..	Ft. In.								
White stone post ...	1	3	11					0	5							
Grey beds	0	1	6				COAL, good... ..	1	0							
White beds	0	0	9							0	1	5				
Grey beds	0	0	8										3	1	0	
Carried forward	2	4	10	1	2	6	Total				4	3	6			

No. 2,813.—LANCHESTER.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 18 of Ordnance Map. Lat. $54^{\circ} 49' 19''$, Long. $1^{\circ} 45' 55''$.

*Account of Strata passed through in a Bore-hole at East Newbiggin Farm,
near Lanchester, 1901.*

Approximate surface-level 580 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Depth to bottom of well ...	1	4	0			
Brown freestone, with a little water	2	0	6			
Grey shale ...	1	1	6			
White post ...	0	3	0			
Grey shale ...	1	2	6			
Grey shale, with post girdles ...	0	5	6			
Hard white post ...	0	1	6			
Strong grey post ...	0	2	3			
Carried forward	8	2	9			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	2	9			
Dark grey shale, with coal pipes ...	0	2	9			
Dark grey post ...	1	0	6			
Grey shale ...	0	0	6			
White post ...	0	4	0			
Grey shale ...	1	1	6			
COAL and black stone ...	0	2	0			
Grey shale, with post girdles ...	1	4	8			
Carried forward	14	0	8			

No. 2,815.—LANGLEY PARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	5	1	9	5	8
Grey metal and post, mixed ...	0	3	0			
Gullet: water came over top of hole ...	0	0	6 $\frac{1}{4}$			
Soft grey metal ...	0	0	9			
Soft post girdle, with water ...	0	0	3			
Soft grey metal ...	1	0	3			
Black metal, with 2 inches of coal at top ...	0	0	10			
Grey metal, with post girdles ...	0	1	2			
Dark grey metal, with coal pipes ...	0	0	8 $\frac{3}{4}$			
Light grey metal ...	0	3	0			
Grey metal, with post girdles ...	1	1	0			
Grey metal, with coal pipes ...	0	1	1			
COAL ...	0	11 $\frac{1}{2}$				
Shale band ...	0	1 $\frac{1}{2}$				
COAL ...	0	1 $\frac{1}{2}$				
	0	1	2 $\frac{1}{2}$			
				5	0	10 $\frac{1}{2}$
Soft grey metal ...	0	5	0			
Dark grey metal, with post girdles ...	2	5	8			
Light grey metal, with metal partings ...	0	3	7			
Dark grey metal, with post girdles ...	1	0	6			
COAL ...	0	0	9 $\frac{1}{2}$			
				5	3	6 $\frac{1}{2}$
Soft grey metal ...	0	1	8			
Hard grey metal ...	0	5	0			
Strong light post ...	2	3	10			
Soft dark post ...	0	2	3			
Yellow post ...	2	1	5			
COAL ...	1	8				
Band ...	0	2				
COAL, danty ...	0	9 $\frac{1}{2}$				
COAL and shale ...	0	3				
Soft band and coal ...	0	3				
COAL, good ...	1	2				
COAL and shale ...	0	6				
	0	4	9 $\frac{1}{2}$			
				7	0	11 $\frac{1}{2}$
Grey metal ...	0	1	0			
Grey post ...	1	1	5			
White post ...	6	2	0			
Mild grey post ...	0	2	6			
Carried forward	8	0	11	27	5	0 $\frac{1}{2}$

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	0	11	27	5	0 $\frac{1}{2}$
COAL ...	0	1	3 $\frac{1}{2}$			
				8	2	2 $\frac{1}{2}$
Shale ...	0	0	1			
Grey metal ...	0	3	4			
Grey post ...	0	5	7			
Grey metal ...	0	0	4			
COAL, danty ...	0	0	4 $\frac{1}{2}$			
				1	3	8 $\frac{1}{2}$
Grey metal ...	0	3	5			
White post, with two 14 inches whins ...	1	3	9			
Grey metal ...	0	5	6			
Grey post ...	0	2	10			
Grey metal, with post girdles ...	1	1	8			
COAL, coarse ...	0	7 $\frac{1}{2}$				
Band ...	0	4				
COAL, coarse, with thin shale partings ...	0	9				
	0	1	8 $\frac{1}{2}$			
				5	0	10 $\frac{1}{2}$
Grey metal ...	1	2	9			
COAL ...	0	1	3 $\frac{1}{2}$			
				1	4	0 $\frac{1}{2}$
Grey metal ...	0	1	2			
Grey and white post, with partings ...	3	0	11			
COAL ...	0	0	5			
				3	2	6
Grey metal ...	0	0	6			
Grey post, with metal partings, and 21 inches of whin at bottom ...	1	2	1			
Grey metal, with post girdles ...	2	5	1			
Grey post, with metal partings ...	3	4	9			
Grey metal ...	0	0	4			
COAL, very good and clean ...	0	1	9			
				8	2	6
Grey metal ...	0	1	9			
Black metal ...	0	1	2			
Grey metal, with a 4 inches gullet ...	0	4	9			
Grey post, with a 3 inches gullet ...	2	2	5			
Grey metal ...	1	0	6			
Grey post, with soft partings ...	2	1	3			
Grey metal ...	0	0	2			
COAL, coarse ...	0	0	5			
				7	0	5
Grey metal, mixed with post and coal ...	1	0	11			
Carried forward	1	0	11	63	3	3 $\frac{1}{2}$

No. 2,815.—LANGLEY PARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	0	11	63	3	3½	Brought forward	5	5	8	63	3	3½
Grey post, with coal partings ...	2	4	1				Grey metal, with post girdles, into ...	1	0	8			
White post, with 50 inches of whin ...	2	0	8								7	0	4
Carried forward	5	5	8	63	3	3½	Total ...				70	3	7½

No. 2,816.—LANGLEY PARK.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48' 40", Long. 1° 40' 32".

Account of Strata passed through in the No. 4 Bore-hole at Langley Park, by Mr. William Coulson. Finished November 11th, 1873.

Approximate surface-level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay and freestone ...	0	4	10				Brought forward	2	1	8	1	5	11
Loamy sand ...	0	1	2				Freestone, with a strong feeder of water ...	2	4	8			
				1	0	0	<i>Hutton Seam—</i>						
Yellow freestone, with soft partings	0	3	5				COAL , bottom 6 inches rather coarse ...	0	3	10			
Soft dark grey metal	0	1	4								5	4	2
COAL ...	0	1	2				Grey metal, into ...	0	3	11			
				0	5	11					0	3	11
Light grey metal ...	0	0	6				Total ...				8	2	0
Soft brown metal, with yellow scales, and a gullet 4 feet from the bottom...	2	1	2										
Carried forward	2	1	8	1	5	11							

No. 2,817.—LANGLEY PARK.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48' 46", Long. 1° 40' 35".

Account of Strata passed through in the No. 5 Bore-hole at Langley Park, by Mr. William Coulson, 1873.

Approximate surface-level 540 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward	1	4	6	1	3	9
				0	2	0	Grey metal ...	2	3	3			
Soft yellow freestone, with water near bottom ...	1	1	3				<i>Hutton Seam—</i>						
COAL , foul... ..	0	0	6				COAL , with particles of brass 18 inches from the top ...	0	3	8			
				1	1	9					4	5	5
Soft yellow freestone	0	5	6				Grey metal thill, into	0	0	4			
Soft grey metal ...	0	2	0								0	0	4
Soft brown freestone	0	3	0				Total ...				6	3	6
Carried forward	1	4	6	1	3	9							

No. 2,819.—LANGLEY PARK.

TOWNSHIP OF ESH, DURHAM.

Sheet 19 of Ordnance Map. Lat. $54^{\circ} 47' 54''$, Long. $1^{\circ} 40' 6''$.*Account of Strata passed through in a Bore-hole at Hill Top,
Langley Park Colliery, November, 1903.*

Approximate surface-level 350 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	4				Brought forward	8	3	10	33	0	2
Yellow clay, with stones	0	4	0				Grey shale	0	5	4			
Stony clay	11	4	2				<i>Brockwell Seam—</i>						
Sand	2	5	6				COAL						
Leafy clay	0	5	0				Black stone	0	3				
Broken freestone	1	5	0				Black stone and coal	0	7½				
Stony clay	5	2	0	23	2	0	Grey shale	1	9				
Freestone	0	4	0				COAL	2	1				
Black stone	0	0	6							0	5	8	
Freestone	3	4	11							10	2	10	
COAL	0	0	7	4	4	0	Grey post	1	1	4			
Freestone, with shale partings	1	0	0				Grey post, with shale partings and water	2	0	0			
Grey shale	0	5	6				White post	1	0	9			
Grey freestone	0	4	6				Grey post, with shale partings	0	5	8			
Grey post	1	1	0				Grey shale, with post girdles	1	5	6			
<i>Busty Seam—</i>							Strong grey post	2	0	0			
COAL	1	1	2	5	0	2	Light grey shale	0	4	11			
Soft seggar-clay	0	0	2				<i>Victoria Seam—</i>						
Grey shale, with post girdles and water	2	2	6				COAL	0	1	6			
Black stone and coal	0	0	8							10	1	8	
Grey shale	1	1	0				Grey shale, into	0	1	1			
Grey post	4	5	6							0	1	1	
Carried forward	8	3	10	33	0	2	Total			53	5	9	

No. 2,820.—LANGLEY PARK.

TOWNSHIP OF HOLMSIDE (DETACHED), DURHAM.

Sheet 19 of Ordnance Map. Lat. $54^{\circ} 48' 28''$, Long. $1^{\circ} 39' 23''$.*Account of Strata sunk through in the Kaysburn Pumping Shaft,
Langley Park Colliery.*

Approximate surface-level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward			17	4	5½	
Yellow clay, gravel, sand and water	1	3	10½				Yellow freestone	1	2	0			
Laminated blue clay	1	1	0				Grey shale, with post girdles	2	3	0			
Gravel, sand and water	1	1	6				Grey post, with soft partings and water	2	1	0			
Strong clay	1	0	0				Hard white post	0	0	9			
Running sand	0	1	3				Grey shale, with post girdles	1	0	1			
Strong stony clay	12	1	4	17	4	5½	Hard white post	5	3	0			
Carried forward				17	4	5½	Carried forward	12	3	10	17	4	5½

No. 2,820.—LANGLEY PARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	3	10	17	4	5½
Black stone, mixed with coal near the bottom ...	0	1	7			
Grey shale ...	1	4	0			
Grey post ...	1	3	3			
Dark grey shale ...	0	0	9			
Grey post, with shale partings ...	2	1	4			
<i>Harvey Seam—</i>						
COAL ...	0	2	0½			
				18	4	9½
Black stone ...	0	0	6½			
Seggar-clay ...	0	2	0			
Grey metal ...	1	2	7			
Blue metal ...	0	1	11			
COAL ...	0	0	3			
				2	1	3½
Grey metal ...	0	2	6			
Hard white post ...	0	2	0			
COAL ...	0	0	6½			
				0	5	0½
Black metal... ..	0	0	7			
Grey metal, with post girdles ...	1	0	8			
COAL ...	0	1	2			
				1	2	5
Grey metal ...	0	0	9			
Hard white post ...	1	5	0			
Grey post ...	0	2	10			
Grey metal ...	0	1	9			
White post ...	1	0	3			
COAL ...	0	1	1			
				3	5	8
Black stone ...	0	0	10			
Light grey metal ...	0	3	11			
Grey post ...	0	3	10			
White post ...	0	2	10			
Grey metal, with post girdles ...	0	4	0			
Hard white post, with whin girdles	7	5	0			
Grey post ...	1	0	0			
<i>Busty Seam—</i>						
COAL ...	1	5				
Band ...	0	0½				
COAL ...	0	5				
Band ...	0	0½				
COAL ...	2	8				
Splint ...	0	4				
COAL ...	2	4				
Swad ...	0	3				
				1	1	6
				12	3	11
Dark grey metal ...	0	4	0			
White post, with metal partings ...	1	3	0			
Grey post, mixed with ironstone ...	0	1	6			
Carried forward	2	2	6	57	3	7

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	6	57	3	7
<i>Three-Quarter Seam—</i>						
Ft. In.						
COAL, cannel ...	0	6½				
COAL, coking ...	1	1				
				0	1	7½
				2	4	1½
Seggar-clay ...	0	4	0			
Dark grey metal ...	1	1	1			
White post ...	1	0	6			
Dark grey metal ...	0	4	0			
White post, with metal partings ...	0	3	4			
Dark grey metal ...	0	5	0			
COAL ...	0	0	4			
				5	0	3
Dark grey metal ...	1	2	5½			
White post ...	1	5	0			
Whin ...	0	2	0			
<i>Supposed Brockwell Seam—*</i>						
COAL ...	0	1	6			
				3	4	11½
Seggar-clay ...	0	2	8			
Dark grey metal ...	1	1	6			
Hard grey post ...	0	1	0			
Grey metal, with post girdles ...	0	4	2			
Grey metal ...	0	1	5			
White post ...	0	3	3			
Blue metal ...	0	1	7			
COAL ...	0	0	5			
				3	4	0
Seggar-clay ...	0	2	6			
Grey metal ...	0	1	10			
Grey post ...	0	0	4½			
Grey metal ...	1	1	7½			
Grey metal, with post girdles ...	0	1	2			
Grey metal ...	0	1	4			
White post ...	0	4	0			
Grey metal ...	0	0	11			
White post ...	0	3	6			
Soft blue metal ...	0	2	4			
White post, with metal partings ...	0	1	4			
Grey post ...	1	0	2			
Blue metal ...	0	2	8			
Grey post ...	0	1	8			
Blue metal ...	1	1	7			
<i>Victoria Seam—</i>						
COAL ...	0	1	5			
				7	4	5
Seggar-clay ...	0	3	0			
Blue metal ...	0	0	10			
				0	3	10
Total ...	81	1	2			

* This seam thickens to 2 feet 7 inches 300 yards south-east from the shaft.

No. 2,821.—LEASINGTHORNE.

TOWNSHIP OF MIDDLESTONE, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 40' 2", Long. 1° 36' 28".

Account of Strata sunk through in the No. 1 Pit, Leasingthorne Colliery, 1901-1903.

Approximate surface-level 481 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	...	1	1	0			Brought forward				42	0	1
Sand ... ..	...	0	4	0			Seggar-clay	0	1	0			
Clay ... ..	...	1	0	0	2	5	0	Grey metal	4	5	0		
Soft freestone ...	3	5	9				Grey leafy post ...	2	4	0			
Blue clay	0	0	3				Blue metal	0	4	0			
Freestone	0	3	0				<i>Five-Quarter Seam—</i>						
Strong freestone ...	0	3	0				COAL	4	1				
Freestone, with blue							COAL, splint 1 2						
partings	0	3	6						0	5	3		
Freestone	0	3	0								9	1	3
Freestone, with blue							Seggar-clay	0	5	0			
partings	2	0	0				Grey metal	0	4	6			
Mild post	1	0	0				Black stone	0	2	2			
Freestone	9	0	0				Grey metal, with post						
Post, with blue part-							girdles	2	5	0			
ings	4	0	0				Strong white post ...	1	3	0			
White post	0	4	11				Blue metal, with iron						
COAL	0	0	3	22	5	8	girdles	3	2	0			
Seggar-clay	0	3	9				<i>Main Coal Seam—</i>						
White post	0	2	0				COAL	0	4	10			
Bastard whin ...	0	1	0								10	2	6
Leafy post	0	1	6				Seggar-clay	0	2	0			
Grey metal	0	2	6				Grey metal, with iron						
Blue metal	4	4	0				pyrites	5	2	2			
Strong post	1	5	6				COAL	0	0	6			
Grey metal	0	4	6								5	4	8
Strong post	0	2	9				Grey metal, with iron						
Post, with blue part-							pyrites	1	0	0			
ings	1	0	0				Grey metal, with iron						
COAL							girdles	0	3	0			
Band	0	4					COAL and stone ...	0	2	6			
COAL	0	7									1	5	6
				0	1	9	Grey metal, with iron						
				10	5	3	pyrites	6	4	0			
Seggar-clay	0	2	0				Grey metal, with post						
Blue metal, with iron							girdles	3	2	0			
girdles	2	2	6				COAL	0	1	6			
Black shale	0	1	1								10	1	6
COAL, cannel ...	0	1	3				Strong seggar-clay ...	0	3	0			
				3	0	10	Grey metal, with iron						
Blue metal	1	5	0				girdles	4	1	6			
<i>Three-Quarter Seam—</i>							COAL	0	1	3			
COAL	1	3									4	5	9
Band	0	3					Seggar-clay	0	5	0			
COAL	0	10					Grey metal, with iron						
				0	2	4	girdles	5	5	9			
				2	1	4	Strong white post ...	2	0	0			
Carried forward				42	0	1	Grey metal	3	0	6			
							Carried forward	11	5	3	84	3	3

No. 2,821.—LEASINGTHORNE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	5	3	84	3	3	Brought forward	0	4	6	138	4	4
<i>Low Main Seam—</i>							Grey metal ...	1	4	6			
COAL ...	Ft.	In.					COAL ...	0	0	9			
Seggar-clay ...	4	6									2	3	9
COAL ...	1	0					Seggar-clay ...	0	2	0			
			1	1	6		Grey post ...	0	3	0			
						13	0	9	White post ...	3	4	0	
Grey metal, with iron									Ft.	In.			
girdles ...	1	0	0				COAL ...	0	5				
Blue metal, with post							Band ...	0	6				
panels ...	3	3	0				COAL ...	1	0				
										0	1	11	
COAL ...	Ft.	In.									4	4	11
Band ...	0	3					Seggar-clay ...	0	1	7			
COAL ...	0	8					Grey leafy post ...	0	2	6			
			0	1	4		Grey metal ...	6	0	0			
						4	4	4	Blue metal ...	0	4	0	
Seggar-clay ...	0	4	4				<i>Busty Seam—</i>						
COAL ...	0	0	8				COAL ...	Ft.	In.				
				0	5	0	Seggar-clay ...	1	0				
Seggar-clay ...	0	1	0				COAL ...	2	6				
Blue metal ...	4	0	0							1	3	3	
<i>Hutton Seam—</i>											8	5	4
COAL ...	Ft.	In.					Strong seggar-clay...	0	2	0			
COAL, splint ...	0	9					Grey post ...	0	3	0			
			0	2	9		White post ...	3	3	0			
						4	3	9	Whin girdles ...	0	1	6	
Seggar-clay ...	0	1	0				White post ...	1	5	3			
Grey post ...	2	2	0				COAL ...	0	0	6			
COAL, cannel ...	0	0	8								6	3	3
				2	3	8	Seggar-clay ...	0	2	6			
Seggar-clay ...	0	1	3				White post, with						
Grey metal, with post							metal partings ...	1	3	0			
girdles ...	5	1	0				Grey metal, with iron						
Grey and white post	2	1	0				girdles ...	1	0	0			
Grey metal, with post							COAL ...	0	0	2			
girdles ...	5	0	0								2	5	8
Grey metal ...	2	0	0				Fire-clay ...	0	2	0			
Strong white post ...	0	5	0				Grey metal ...	1	3	0			
Grey leafy post ...	0	2	0				COAL ...	0	1	10			
Grey metal, with post											2	0	10
girdles ...	2	0	0				White post, with						
Strong white post,							whin girdles ...	6	1	0			
with metal partings	3	1	10				Blue metal ...	1	0	0			
Blue metal ...	1	0	7				<i>Brockwell Seam—</i>						
<i>Harvey Seam—</i>							COAL ...	0	4	7			
COAL ...	0	3	8								7	5	7
				22	4	4	White post ...	1	0	0			
Seggar-clay ...	2	0	0				Blue metal ...	1	0	6			
Grey metal ...	3	3	0				Grey leafy post ...	1	0	0			
COAL ...	0	0	3				White post ...	1	3	0			
				5	3	3	Blue metal ...	0	3	6			
Strong white post ...	0	4	6								5	1	0
Carried forward	0	4	6	138	4	4	Total ...				179	4	8

No. 2,822.—LINTON.

TOWNSHIP OF LINTON, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 12' 58", Long. 1° 35' 20".

*Account of Strata sunk through in the No. 1 Shaft, Linton Colliery.
Commenced November 6th, 1894, and stopped March 10th, 1896.*

Approximate surface-level 60 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	3	4	6				Brought forward	8	2	8	21	1	8
				3	4	6							
Blue metal ...	0	2	6				COAL ...						
Post, with water	0	5	6				Band ...	0	8				
Grey metal ...	2	5	0				COAL ...	1	2				
Whin girdle...	0	0	10							0	2	1	
Blue metal ...	3	5	2										8 4 9
Fire-clay ...	0	1	0				Blue metal ...	10	1	0			
Soft blue metal	0	3	5				Grey metal, with post						
COAL ...	0	0	2				girdles ...	1	4	6			
				8	5	7	White post ...	0	3	8			
Grey post ...	2	1	0				Grey metal ...	0	2	6			
Grey metal ...	0	1	0				White post ...	1	3	6			
Hard grey post	0	2	8				Grey post ...	0	3	6			
Grey post ...	1	2	3										
Blue metal ...	0	5	3				COAL ...						
<i>High Main Seam—</i>							COAL and						
COAL ...	3	8					metal, mixed	0	10				
Band ...	0	6								0	2	9	
COAL ...	0	7											15 3 5
				5	4	11	Grey metal ...	0	0	10			
Seggar-clay ...	0	4	2				Grey post ...	1	2	11			
Light blue metal	1	5	4				Grey metal ...	1	0	6			
COAL ...	0	1	2				Blue metal and						
				2	4	8	seggar-clay	0	1	0			
Grey metal ...	6	0	11				<i>Yard Seam—</i>						
Grey metal and post	2	1	9				COAL ...	0	3	7			
													3 2 10
Carried forward	8	2	8	21	1	8	Grey post and seg-						
							gar-clay ...	0	1	3			
							Hard grey post	0	4	9			
													1 0 0
							Total ...				50	0	8

No. 2,823.—LINTON.

TOWNSHIP OF LINTON, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 13' 18", Long. 1° 35' 47".

*Account of Strata passed through in a Bore-hole at Linton, 1891, being a
continuation of the Bore-hole (No. 1,281) put down by
Mr. G. Stott in 1848.*

Approximate surface-level 78 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of old bore-hole as proved in 1848				69	3	4	Depth from surface to bottom of old bore-hole as proved in 1891				70	3	0
							Carried forward				70	3	0

No. 2,823.—LINTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				70	3	0	Brought forward	12	0	0	77	3	11
Grey post ...	0	1	0				Grey metal stone ...	0	5	0			
Dark metal stone ...	0	4	0				Grey post ...	0	3	6			
Dark metal, with							Grey metal stone ...	1	4	0			
girdles ...	0	4	0				Dark metal stone ...	2	4	0			
							Grey metal stone ...	0	4	0			
COAL , coarse	1	6					Grey post ...	0	4	0			
Black metal							Dark metal stone ...	0	3	0			
band ...	0	3					Grey post ...	1	2	0			
COAL ...	0	4					Hard white post ...	0	2	0			
Black metal							Grey post ...	2	4	6			
and coal ...	0	6					Hard white post ...	0	1	6			
COAL ...	0	11					Grey post ...	0	1	6			
				0	3	6	Whin ...	0	0	8			
				2	0	6	Grey post ...	1	3	0			
Grey metal stone ...	0	3	0				Grey metal stone ...	0	5	6			
Dark metal, with							Hard white post ...	0	1	6			
girdles ...	0	2	6				Whin ...	0	0	8			
COAL ...	0	1	6				Grey post ...	1	0	0			
				1	1	0	Grey metal stone ...	1	2	3			
Post ...	0	2	0				Grey post ...	1	3	6			
Grey metal stone ...	0	3	0				Dark metal stone ...	0	3	0			
Dark metal and coal	0	0	4				Grey post ...	0	2	6			
COAL ...	0	0	6				Grey metal ...	0	0	4			
				0	5	10	Dark metal ...	0	0	2			
Grey metal ...	0	2	0				COAL ...	0	0	7			
Grey metal stone ...	0	4	0								32	2	8
Dark metal ...	1	1	2				Grey metal stone ...	0	2	0			
							Dark metal stone ...	1	0	0			
COAL ...	2	5					COAL ...	0	1	4			
Dark metal											1	3	4
band ...	1	6					Grey metal stone ...	0	1	0			
COAL ...	0	6					Grey post ...	1	2	0			
				0	4	5	Whin ...	0	1	3			
				2	5	7	Grey post ...	0	3	1			
Dark metal ...	0	1	0				COAL ...	0	0	6			
Grey metal stone ...	0	3	6								2	1	10
Grey post ...	6	1	0				Grey metal ...	0	2	1			
Whin ...	0	0	6				Strong white post ...	1	3	6			
Grey post ...	0	1	6				Grey metal ...	0	2	6			
Grey metal stone ...	1	4	0				Grey metal stone ...	0	4	6			
Dark metal, with							Dark metal and coal	0	0	7			
girdles ...	0	2	6								3	1	2
Grey metal stone ...	1	3	6				Grey metal stone ...	0	3	6			
Grey post ...	0	3	6				Grey post ...	0	5	9			
Dark metal ...	0	3	0								1	3	3
Carried forward	12	0	0	77	3	11	Total ...				118	4	2

No. 2,824.—LINTZ.

TOWNSHIP OF LINTZ, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 54' 33", Long. 1° 45' 16".

Account of Strata sunk through in the New Pit, South Garesfield Colliery.
Commenced July 6th, 1875.

Approximate surface-level 250 feet above sea (Ordnance datum).

No. 2,824.—LINTZ.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	...	0	3	0			Brought forward	1	4	0	5	0	6
COAL, trace of ...	...	0	1	0			Fire-clay, with iron-						
Gravel ... ..	...	0	5	0			stone	1	2	0			
					1	3	0	Yellow freestone ...	1	3	0		
Mild sandstone ...	1	3	0				White post	1	0	0			
White post, with coal							Blue shale	0	2	0			
pipes ... ..	...	0	5	0			Mixed post	0	1	0			
Supposed <i>Three-</i>							Blue metal	3	1	0			
<i>Quarter Seam—</i>							Supposed <i>Brockwell</i>						
COAL ... ..	...	0	1	9			<i>Seam—</i>						
					2	3	9	COAL ... ..	...	0	1	7	
Good fire-clay ...	...	0	2	0							9	2	7
Fire-clay, with iron-							Coarse fire-clay ...	...	0	1	2		
stone balls ... ..	...	0	3	0			COAL ... ..	...	0	0	3		
COAL ... ..	...	0	0	9							0	1	5
					0	5	9	Good fire-clay, into	...	...	...	...	...
Mixed post ... ..	...	1	4	0							...	...	...
										
Carried forward	1	4	0	5	0	6	Total ... ..	...	14	4	6		

No. 2,825.—LITTLETON.

TOWNSHIP OF PITTINGTON, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 7", Long. 1° 28' 27".

Account of Strata passed through in a Bore-hole below the Hutton Seam, Lady Alice Pit, Littleton Colliery, 1898.—Continuation of No. 1,298.

Approximate surface-level 370 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of <i>Hut-</i> <i>ton Seam</i> ...	95	5	0				Brought forward	5	5	3	105	0	11½
Bastard seggar-clay and post ...	1	0	4½				Grey shale, with much limestone ...	0	0	8			
				96	5	4½	Dark grey shale ...	0	4	1			
Grey post ...	1	2	0				COAL ...	0	0	2			
Grey shale ...	0	3	3								6	4	2
Grey post ...	0	1	4				Grey shale ...	1	0	11			
Grey shale, with post girdles ...	3	1	2				Grey shale, with post girdles ...	0	3	4			
COAL and band ...	0	0	4				Grey post ...	0	2	7			
				5	2	1	Grey shale, with iron- stone nodules ...	0	4	11			
Grey shale ...	0	0	5				Mild grey post ...	0	3	2			
Grey post, with shale bands ...	1	2	2				Grey shale ...	0	4	8			
Grey shale, with post girdles ...	1	2	2				Black shale ...	0	0	4			
COAL and band ...	0	0	9				COAL ...	0	1	2			
				2	5	6					4	3	1
Grey shale ...	0	4	4				Seggar-clay ...	0	1	6			
Grey post ...	1	1	1				Soft grey shale, with ironstone balls ...	1	0	6			
Grey shale, with post girdles ...	2	4	7				Dark grey shale, with coal threads...	0	1	1			
Dark grey shale ...	1	1	3				Grey shale ...	0	1	6			
Carried forward	5	5	3	105	0	11½	Mild grey post, with shale partings ...	1	1	3			
							Carried forward	2	5	10	116	2	2½

No. 2,825.—LITTLE TOWN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	5	10	116	2	2½	Brought forward	26	4	10	138	3	5½
Dark grey shale ...	1	1	6				Strong grey post ...	1	5	0			
Grey post ...	1	2	6				Grey shale, with post						
Dark grey shale ...	0	0	6				girdles ...	1	2	8			
COAL , with a little							Very dark grey shale	0	3	2			
black stone ...	0	0	9				Strong grey post ...	2	5	6			
				5	5	1	Grey shale ...	0	5	2			
Coarse seggar-clay ...	0	1	4				Grey post, with thin						
Grey shale ...	0	3	2				shale partings ...	1	5	8			
Grey post, with shale							Grey shale, with post						
partings ...	1	1	8				partings ...	1	0	4			
Strong grey post ...	2	1	8				Soft dark grey shale	0	2	10			
Mild grey post, with							Strong grey post ...	3	1	9			
shale partings ...	2	1	10				Very coarse white						
Strong coarse grey							post ...	1	0	6			
post ...	2	3	8				Grey shale ...	0	1	10			
Coarse seggar-clay ...	0	1	8										
							COAL ...	Ft. In.					
COAL and							Grey shale ...	0	10				
black stone ...	0	3					COAL ...	0	3½				
Grey shale ...	0	5											
COAL ...	0	7											
				0	1	3							
				9	4	3	Grey shale ...				42	4	9½
Soft seggar-clay ...	0	1	3				Grey post, with shale	0	0	10½			
Grey shale ...	2	0	2				partings ...	0	5	6			
COAL ...	0	1	1				Strong grey post ...	3	2	0			
				2	2	6	Grey shale ...	3	3	6			
Grey shale ...	1	3	6				Grey shale, with post						
Mild grey post, with							partings ...	0	5	1			
shale partings ...	1	3	4				Strong grey post ...	0	1	5			
Grey shale ...	0	2	6				Grey shale ...	0	0	9			
Dark grey shale ...	0	1	5										
Supposed <i>Busty Seam</i> —							COAL ...	Ft. In.					
							Grey shale ...	0	2				
COAL ...							COAL ...	0	4				
Shale ...	0	1½											
COAL ...	2	4½											
				0	2	8							
				4	1	5	Grey shale ...				9	2	1½
Dark grey shale ...	0	2	3				Grey post, with shale	0	2	0			
Grey post, with shale							partings ...						
partings ...	1	2	8				Grey shale ...	0	3	8			
Strong grey post ...	4	5	6				Grey shale, with post						
Very dark grey shale	0	0	10				partings ...	1	3	5			
Soft grey shale ...	0	1	6				Dark grey shale ...	1	1	6			
Mild grey post ...	1	0	6				COAL ...	0	0	9			
Grey post, with shale													
partings ...	1	4	8										
Grey shale, with iron-													
stone balls ...	3	1	6				Mild grey post ...	0	5	0			
Strong coarse grey							Grey shale ...	1	1	4			
post ...	4	1	4				Mild grey post, with						
Dark grey shale,							silica ...	2	0	10			
with post partings	3	4	6				Dark grey shale ...	0	2	8			
Strong grey post ...	2	1	6				Grey post, with shale						
Grey shale, with post							partings ...	0	4	2			
partings ...	1	4	9				Grey shale ...	1	2	3			
Grey shale ...	1	3	4				Grey shale, with post						
							partings ...	0	4	0			
							Very coarse grey						
							post ...	11	0	6			
							Grey shale ...	0	2	8			
Carried forward	26	4	10	138	3	5½	Carried forward	18	5	5	198	3	10½

No. 2,825.—LITTLE TOWN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	18	5	5	198	3	10½	Brought forward	41	4	8	198	3	10½
Very coarse grey post	5	4	3			Grey shale ...	...	3	1	9		
Grey shale	0	0	7			Coarse grey seggar-clay ...	...	0	0	5		
Very coarse grey post	4	3	0			Grey shale ...	...	1	2	0		
Mild grey post, with shale partings	0	5	1			Soft grey seggar-clay ...	...	0	0	8		
Dark grey shale	0	3	2			Mild grey post ...	...	0	5	3		
Mild grey post	0	1	1			Grey shale, with thin post partings ...	...	0	4	4		
Dark grey shale	0	3	3			Grey shale ...	...	1	0	11		
Grey post	0	1	4			Grey post, with shale partings ...	...	4	0	2		
Grey shale, with partings	1	5	5			Coarse grey post ...	...	0	2	1		
Grey post	0	4	1			Blue limestone, with shells ...	...	2	0	3		
Soft grey shale	0	3	6			Dark grey shale, with fossils ...	...	0	3	6		
Grey shale, with soft partings	2	4	5			Grey post ...	...	0	2	0		
Grey post	0	2	6			Dark grey shale, with fossils ...	...	0	2	1		
Soft coarse seggar-clay	0	2	7			Grey post, with shale partings ...	...	1	4	0		
Grey shale	0	1	2			Grey shale, with fossils ...	...	1	4	11		
Soft coarse seggar-clay	0	2	3							60	3	0
Grey post, with shale partings	2	5	7									
Carried forward	41	4	8	198	3	10½	Total ...	...	259	0	10½		

No. 2,826.—LONG FRAMLINGTON.

TOWNSHIP OF LONG FRAMLINGTON, NORTHUMBERLAND.

Sheet 45 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole on Admiral Mitford's Royalty near the Village of Long Framlington.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	1	0	0			Brought forward	16	0	0	3	1	8
				1	0	0	Six Yards Limestone	...	3	0	0		
Eight Yards Limestone ...	...	1	3	0			COAL ...	...	0	0	6		
Fire-clay ...	...	0	4	0							19	0	6
COAL ...	...	0	0	8			Blue metal ...	...	2	0	0		
				2	1	8	Little Limestone ...	...	0	2	0		
Freestone ...	...	3	4	0			Bastard fire-clay ...	...	1	3	0		
Marl ...	...	0	2	0			Red stone ...	...	0	2	0		
Freestone ...	...	7	0	0			Platy freestone ...	...	1	3	0		
Blue shale, with iron-stone ...	...	5	0	0			Strong blue metal ...	...	1	3	0		
							COAL, good ...	...	0	2	8		
Carried forward	16	0	0	3	1	8					7	3	8
							Total ...	...	29	5	10		

No. 2,827.—LONGHIRST.

TOWNSHIP OF LONGHIRST, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. $55^{\circ} 12' 11''$, Long. $1^{\circ} 37' 45''$.*Account of Strata passed through in a Bore-hole at Clover Hill, North of Longhirst Railway Station.*

Approximate surface-level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay, with beds							Brought forward	1	5	9	30	0	11
of sand ...	3	4	0										
Sand, with water ...	0	4	0				COAL						
Dry sand ...	1	2	0				Ft. In.						
Sand, clay and stones	6	2	0				COAL, foul ...	0	2				
				12	0	0				0	2	2	
Post ramble ...	0	1	6									2	1
Grey post ...	1	0	0				Grey metal ...	0	4	0			
Whin ...	0	1	6				Grey metal stone ...	0	1	6			
Grey post ...	1	2	6				Whin ...	0	1	0			
Dark metal ...	0	1	6				Metal stone...	1	4	0			
Grey post ...	0	4	0				Grey post ...	1	1	0			
Grey metal stone ...	1	3	3				Dark metal ...	0	2	6			
COAL	0	2	10				Whin ...	0	0	6			
				5	5	1	White post ...	0	3	0			
Grey metal ...	0	4	0				Grey post ...	2	1	0			
Grey metal stone ...	2	3	6				Metal stone ...	1	3	0			
Grey post ...	1	0	6				Dark metal, with						
Whin ...	0	1	0				girdles ...	0	2	6			
Grey and white post	4	0	0										
Whin ...	0	0	6										
Grey metal, with													
girdles ...	1	0	0										
Dark metal ...	0	0	6										
COAL, foul...	0	1	6										
				9	5	6							
Grey metal, inclining													
to post ...	2	2	0										
COAL	0	0	4										
				2	2	4							
Grey metal and													
metal stone ...	1	4	0				Grey metal stone,						
Dark metal ...	0	1	9				into ...	1	1	0			
Carried forward	1	5	9	30	0	11	Total ...				43	4	3

No. 2,828.—LONGHIRST.

TOWNSHIP OF LONGHIRST, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. $55^{\circ} 11' 30''$, Long. $1^{\circ} 38' 10''$.*Account of Strata passed through in the No. 6 Bore-hole in Longriggs Field, Longhirst, 1876.*

Approximate surface-level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				6	1	0
Blue clay, with a bed							Grey metal ...	2	0	0			
of sand ...	6	0	0				Grey metal stone ...	3	3	0			
				6	1	0	Dark metal ...	0	1	3			
Carried forward				6	1	0	Carried forward	5	4	3	6	1	0

No. 2,828.—LONGHIRST.—CONTINUED.

Brought forward						Brought forward					
Fs. Ft. In. Fs. Ft. In.						Fs. Ft. In. Fs. Ft. In.					
5 4 3 6 1 0						4 1 6 39 0 0½					
<i>Grey Seam—</i>						Black stone and					
Ft. In.						coal, mixed ... 0 0 11					
COAL	...	1	4			COAL	...	0	1	9	
COAL, coarse	0	8								4	4
COAL	...	1	2			Grey metal and coal	0	2	0		
Black metal						Grey metal, with iron					
band	...	0	0½			girdles	...	0	3	0	
COAL	...	3	8			Grey post	...	1	0	6	
			1	0	10½	Whin	...	0	1	6	
				6	5 1½	Grey post	...	0	3	0	
Dark metal and coal	0	0	6			Metal stone	...	0	3	0	
Grey metal	...	0	2	0		Dark metal, with					
Grey metal and coal	0	2	6			girdles	...	0	5	6	
Black metal	...	0	2	6							
Grey metal stone	...	0	2	0		COAL	...	Ft. In.			
Dark metal, with						...	1	5			
girdles	...	1	0	0		Grey metal	...	0	2		
Grey metal stone	...	0	4	0		COAL	...	0	2		
Dark metal, with									0	1	9
girdles	...	0	2	0						4	2
Dark metal and coal	0	0	7			Grey metal stone	...	1	1	6	
Dark metal	...	0	0	4		COAL	...	0	0	3	
COAL, coarse	...	0	1	7						1	1
				4	0 0	Grey metal stone	...	1	3	0	
Dark metal and coal	0	1	6			Dark metal, with					
Grey metal	...	0	2	0		girdles	...	0	4	9	
Grey metal stone	...	1	3	0		Black metal and coal	0	0	6		
Dark metal, with						COAL	...	0	0	6	
girdles	...	1	0	9						2	2
	Ft. In.					Grey metal stone	...	2	0	6	
COAL	...	1	5			COAL, foul	...	0	0	6	
COAL, coarse	0	3								2	1
			0	1	8	Grey post	...	0	3	0	
				3	2 11	Dark metal stone	...	2	0	10	
Grey metal	...	0	2	0		COAL, foul	...	0	0	7	
Grey metal stone	...	2	3	0						2	4
Grey post, with water	...	2	0	0		Grey metal	...	0	2	0	
Grey metal stone	...	1	0	0		Dark metal, with					
Grey post	...	1	1	0		girdles	...	0	2	5	
Dark metal	...	0	2	6		<i>Low Main Seam—</i>					
							Ft. In.				
<i>Yard Seam—</i>						COAL, coarse	0	5			
COAL	...	0	3	2		COAL	...	2	5		
				7	5 8				0	2	10
Grey metal	...	0	0	9						1	1
Grey post	...	6	2	6		Black metal	...	0	0	2	
COAL	...	0	0	4		Grey post	...	0	5	0	
						Dark metal stone	...	0	2	4	
Grey metal	...	0	2	0		COAL	...	0	0	7	
Grey metal stone	...	1	2	0						1	2
Dark metal	...	0	2	0		Grey and dark					
Dark metal and coal	0	0	6			metal stone	...	2	0	0	
Grey metal	...	0	0	6		Grey post	...	0	4	0	
Grey post	...	1	2	0		Dark metal stone	...	1	5	0	
Dark metal, with						Dark metal, with					
girdles	...	0	2	6		girdles	...	0	3	0	
COAL	...	0	0	3		Black metal	...	0	1	2	
						Post girdles	...	0	1	0	
Grey metal	...	0	1	0		Dark metal	...	0	1	0	
Grey post	...	4	0	6							
Carried forward	4	1	6	39	0 0½	Carried forward	5	3	2	59	1 8½

No. 2,828.—LONGHIRST.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	3	2	59	1	8½	Brought forward	1	4	6	65	0	1½
COAL , coarse		Ft.	In.				Dark metal stone ...	1	2	9			
COAL ...	1	0					<i>Plessey Seam—</i>						
		0	1	3			COAL ...	...	0	2	0		
				5	4	5					3	3	3
Grey and dark metal							Black metal ...	...	0	0	2		
stone ...	1	2	0				Grey metal ...	...	0	1	6		
Dark metal, with							Grey metal stone ...	2	3	0			
girdles ...	0	2	6								2	4	8
Carried forward	1	4	6	65	0	1½	Total ...	...	71	2	0½		

No. 2,829.—LONGHIRST.

TOWNSHIP OF LONGHIRST, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 11' 43", Long. 1° 37' 34".

Account of Strata passed through in a Bore-hole below the Grey Seam at Longhirst Colliery, 1886.—Continuation of No. 1,304.

Approximate surface-level 128 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward				73	1	0
to bottom of <i>Grey</i>							Grey metal ...	...	0	4	0		
<i>Seam</i> ...				46	4	3	Grey post ...	...	1	0	0		
Dark metal and coal	1	1	0					Ft. In.					
Grey and dark metal	2	0	0				Black stone						
COAL ...	0	1	6				and coal ...	1	0				
				3	2	6	COAL ...	1	10				
Dark metal ...	0	1	6					0	2	10			
Grey post, with water	3	5	0								2	0	10
Dark metal, with							Grey metal and coal	0	1	0			
girdles ...	1	5	0				Grey metal ...	...	0	2	0		
COAL ...	0	2	3				Grey post ...	...	1	3	0		
				6	1	9	Dark metal ...	...	0	3	0		
Grey metal ...	0	2	0				Grey metal stone ...	1	3	0			
Grey metal stone ...	1	3	0				Grey post, with water	1	4	0			
Grey post, with water	2	0	0				Dark metal, with						
Dark metal ...	0	2	6				girdles ...	1	4	0			
<i>Yard Seam—</i>								Ft. In.					
COAL ...	0	2	8				COAL ...	2	0				
				4	4	2	Grey metal and						
Grey metal ...	0	2	0				coal ...	1	9				
Grey metal stone ...	3	2	0				COAL ...	0	9				
Dark metal ...	2	5	0					0	4	6			
COAL ...	0	0	4								8	0	6
				6	3	4	Grey metal ...	...	0	0	6		
Grey metal stone ...	2	1	0				Grey post ...	...	1	0	0		
Dark metal ...	0	2	0				Grey metal stone ...	...	0	4	0		
Black metal and coal	0	1	0				COAL ...	...	0	0	6		
Dark metal ...	0	1	0								1	5	0
Grey post ...	2	2	0				Dark metal stone ...	1	0	0			
Dark metal ...	0	1	6				Black metal and coal	0	0	6			
COAL ...	0	0	6				Grey metal ...	...	0	3	0		
				5	3	0	Dark metal stone ...	...	0	4	0		
Carried forward				73	1	0	Carried forward	2	1	6	85	1	4

No. 2,829.—LONGHIRST.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	1	6	85	1	4	Brought forward	3	5	0	96	0	8
COAL ...	...	0	2	0			Grey metal ...	...	0	1	4		
				2	3	6							
Dark metal, with							COAL, coarse	Ft. In.					
girdles ...	...	0	3	6			COAL ...	0 7					
COAL ...	...	0	0	4				0 1 5			4	1	9
Grey metal ...	...	0	0	6			Grey metal ...	...	0	2	0		
Grey post ...	...	2	0	6			Grey metal stone ...	...	1	2	0		
Whin ...	...	0	1	0			Grey post ...	...	2	1	6		
Grey post ...	...	5	1	6			Grey metal stone ...	...	3	4	6		
COAL ...	...	0	0	6			Grey post ...	...	6	3	0		
				8	1	10	Grey metal stone ...	...	1	1	9		
Grey post ...	...	0	3	0			Dark metal ...	...	0	2	6		
Grey metal stone ...	...	1	4	6			Grey metal ..	...	0	1	0		
Whin ...	...	0	0	6						16	0	3	
Grey metal stone ...	...	1	0	0									
Grey post ...	...	0	3	0									
Carried forward	3	5	0	96	0	8	Total ...	...	116	2	8		

No. 2,830.—LONGHIRST.

TOWNSHIP OF LONGHIRST, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 11' 56", Long. 1° 37' 45".

Account of Strata passed through in a Bore-hole to the North-west of Longhirst Station, on the North-eastern Boundary of Sir James Joicey's Royalty. Finished May, 1902.

Approximate surface-level 140 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	4	3	0			Brought forward				33	5	10
Sand	1	0	0			Blue shale and post	2	3	7			
Clay	11	3	0			Black shale and post	0	0	9			
				17	0	0	COAL ...	...	0	1	6		
Blue shale	1	4	0							2	5	10
Whin	0	1	8			Blue shale and post	5	1	7			
Blue shale	0	1	4			Whin ...	...	0	0	6		
Whin	0	1	6			Post ...	...	0	1	0		
Blue shale, with post	...						Whin ...	...	0	0	8		
panels	3	2	5			Blue shale and post	2	2	9			
COAL, good	...	0	3	2									
				6	2	1	COAL	Ft. In.					
Seggar-clay	0	3	3			COAL ...	2 7					
Blue shale	0	3	9			Band ...	1 2					
Post	4	3	10			COAL, rather						
Whin	0	1	0			soft ...	1 0					
Post	1	1	11			Band ...	0 3					
Blue shale	1	1	9			COAL ...	2 3					
COAL	...	0	0	4				1 1 3			9	1	9
				8	3	10	Seggar-clay ...	...	0	1	3		
Blue shale and post	...	1	1	5			Post ...	...	0	1	6		
Whin	0	1	6			Blue shale ...	...	0	1	2		
Blue shale and post	...	0	2	8			COAL ...	...	0	0	6		
COAL	...	0	0	4							0	4	5
				1	5	11	Post ...	...	0	5	2		
Carried forward				33	5	10	Carried forward	0	5	2	46	5	10

No. 2,830.—LONGHIRST.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	5	2	46	5	10	Brought forward	6	4	6	50	3	10
Blue shale	0	2	6				Post and whin	1	4	1			
COAL	0	0	6				COAL	0	0	9			
				1	2	2					8	3	4
Blue shale, with post							Seggar-clay	0	3	6			
girdles	1	1	6				Grey beds and shale	0	0	8			
COAL	0	2	9				Blue shale, with iron						
				1	4	3	bands	4	3	7			
Seggar-clay and													
shale	0	2	9				COAL , splinty	2	1				
COAL	0	0	10				Band	0	2				
				0	3	7	COAL	0	2				
Seggar-clay	0	0	6					0	2	5			
Post	2	3	0								5	4	2
Whin	0	0	8				Seggar-clay ... ..	..	..	..	..	..	..
Post	3	5	8								..	..	..
Whin	0	0	8										
Carried forward	6	4	6	50	3	10	Total				64	5	4

No. 2,831.—LUMLEY.

TOWNSHIP OF LITTLE LUMLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 50' 52", Long. 1° 32' 27".

Account of Strata passed through in a Bore-hole in the Second Sinking Pit, Lumley Colliery, 1776.

Approximate surface-level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk from surface ...				12	1	0	Brought forward	9	4	7	21	4	2
Blue and grey metal,							Blue metal	0	0	3			
with girdles	4	3	0				<i>Maudlin Seam—</i>						
Strong white post ...	0	2	6										
Soft blue grey metal	1	2	0				COAL , with						
<i>Top Main Seam—</i>							a brass						
COAL	5	3					lump in the						
COAL , coarse	0	7					middle	0	10				
				0	5	10	Blue metal,						
							scared with						
				7	1	4	coal	0	2				
Grey metal	0	1	6				COAL , with						
Grey post: set away							dantyscares						
the water	0	1	6				near the top	3	0				
Grey metal stone,											0	4	0
with girdles	1	4	6								10	2	10
COAL	0	0	4				Black grey metal ...	0	0	9			
				2	1	10	Blue grey metal						
Grey metal	0	4	6				stone	1	3	0			
Black stone	0	1	6				Grey metal stone,						
Grey metal stone,							with post girdles						
with girdles	8	4	7				and water	5	2	9			
							Grey metal	0	0	6			
Carried forward	9	4	7	21	4	2	Carried forward	7	1	0	32	1	0

No. 2,831.—LUMLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	1	0	32	1	0	Brought forward	0	2	0	44	1	9
<i>Low Main Seam—</i>							Grey post ...	0	1	0			
	Ft.	In.					Grey metal ...	0	1	0			
COAL ...	3	0					COAL ...	0	0	7			
Dun metal...	0	2									0	4	7
COAL ...	0	7					Grey metal ...	0	3	0			
	—		0	3	9	7 4 9	White post, with						
							water ...	1	2	0			
Grey metal ...	0	1	6				Grey metal stone ...	0	2	6			
Grey metal stone ...	0	3	0				White post ...	0	1	0			
Strong white post,							Mixture whin ...	0	0	8			
mixed with whin...	0	0	6				Grey metal stone ...	0	1	6			
Strong grey metal							Strong white post,						
stone, with strong							with metal part-						
girdles ...	1	1	6				ings ...	3	3	0			
Mixture whin ...	0	0	6				Grey metal stone ...	0	3	0			
Grey metal stone,							White post ...	0	2	6			
with much water...	0	4	0				Grey metal, with						
Mixture whin ...	0	0	10				girdles or lumps...	0	5	0			
Blue grey metal													
stone, with water...	0	4	10				COAL ...	Ft. In.					
Black metal ...	0	0	3				COAL, coarse	1	0				
<i>Brass Thill Seam—</i>								—	0	4	9		
COAL ...	0	3	1								8	4	11
				4	2	0	Grey metal, into ...	0	1	0			
Grey scamy stone ...	0	1	0								0	1	0
Grey metal stone,													
with water ...	0	1	0										
Carried forward	0	2	0	44	1	9	Total ...				54	0	3

No. 2,832.—LUMLEY.

TOWNSHIP OF LITTLE LUMLEY, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 50' 45", Long. 1° 32' 30".

*Account of Strata sunk through in the West Pit, Lumley New Winning.
Commenced March 21st, 1907, and stopped April 20th, 1908.*

Approximate surface-level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and sand ...	7	0	6				Brought forward	2	4	7	17	1	9
Seggar-clay ...	1	1	6				Grey metal, with post						
Post ...	0	5	6				girdles ...	0	2	2			
Blue metal, with post							White post ...	1	1	0			
girdles ...	1	4	0				Grey metal ...	0	5	0			
Grey metal ...	3	2	0				Blue metal, with post						
Post ...	0	4	0				girdles ...	1	1	0			
Grey metal ...	1	3	0				Blue metal ...	4	3	0			
<i>Main Coal Seam—</i>							<i>Maudlin Seam—</i>						
COAL ...	0	5	3				COAL ...	0	4	1			
				17	1	9					11	2	10
Seggar-clay ...	1	2	6				Seggar-clay ...	0	4	6			
Post ...	1	1	6				Post and grey metal	0	5	6			
Black stone ...	0	0	7				Post and blue metal	0	0	10			
Carried forward	2	4	7	17	1	9	Carried forward	1	4	10	28	4	7

No. 2,832.—LUMLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	1	4	10	28	4	7	Brought forward	21	4	8	54	2	0	
White post	1	0	6			<i>Harvey Seam—</i>							
Blue metal	0	0	6			COAL ...	...	0	1	8			
White post	2	1	0							22	0	2	
Blue metal parting	...	0	0	2			Seggar-clay ...	...	0	1	4		
White post	2	0	0			Post ...	...	0	3	0			
Blue metal	3	0	0			Blue metal, with post							
<i>Low Main Seam—</i>							girdles	...	1	3	4			
COAL	0	4	1			COAL ...	...	0	0	2			
				10	5	1	Seggar-clay ...	...	0	2	0		
Seggar-clay	0	1	6			Blue metal, with post							
Blue metal and post	...	0	2	9			girdles	...	1	2	6			
Blue metal	0	5	3			Post and whin	...	0	4	0			
Post girdle	0	0	2			COAL ...	...	0	0	6			
Blue metal	2	1	1			Seggar-clay ...	...	0	2	0			
Black shale	0	0	8			Grey metal ...	...	0	4	9			
<i>Brass Thill Seam—</i>							COAL ...	...	0	1	3		
COAL	0	2	9			Grey metal ...	...	1	2	0			
					4	2	2	Post	0	2	0		
Seggar-clay and post	...	0	4	3			COAL ...	...	0	0	2		
COAL	0	0	10			Seggar-clay ...	...	1	0	0			
Seggar-clay	0	3	0			White post ...	...	7	0	0			
Blue metal	0	1	9			COAL ...	...	0	1	3			
Post	1	1	7			Band ...	...	0	0	2			
Blue metal	0	4	6			COAL ...	...	0	0	6			
Post	0	3	9			Seggar-clay ...	...	0	4	7			
Blue metal	1	3	4			Blue metal, with post							
Post	3	0	8			girdles	...	1	2	6			
Blue metal	0	3	0			COAL ...	...	0	1	8			
<i>Hutton Seam—</i>							Seggar-clay ...	...	0	0	4		
COAL	0	5	6			White post ...	...	5	4	0			
				10	2	2	Very hard dark grey							
Seggar-clay	0	2	0			post	...	0	4	0			
Post	0	1	3			White post ...	...	0	4	11			
Blue metal	0	3	0			Blue metal ...	...	0	0	6			
Hard bastard post...	...	1	3	0			Post ...	...	1	3	0		
Black stone	0	2	2			Blue metal, with iron							
Post	0	1	10			and post girdles ...	...	2	4	0			
Blue metal	4	5	0			COAL , coarse	...	0	1	3			
Post	0	3	3			Grey shale ...	...	0	2	0			
Blue metal and							COAL ...	...	0	0	6		
black stone	...	0	2	2			Seggar-clay ...	...	1	0	0		
COAL , coarse	...	0	0	6			COAL ...	...	0	0	4		
Post	0	1	0			Blue metal, with post							
Blue metal	0	0	9			girdles	...	0	5	8			
Post	0	2	6			Post ...	...	0	4	0			
Blue metal	0	5	0			Grey metal ...	...	0	1	6			
Post	0	1	0			<i>Busty Seam—</i>							
Black shale, with							COAL ...	Ft.	In.					
post girdles	...	0	2	6			Band	...	0	9				
COAL , coarse, with							COAL ...	...	2	2			
band	...	0	1	3							0	3	6	
Seggar-clay	0	1	6							34	1	2	
Grey metal	2	0	0			Seggar-clay ...	...	0	1	7			
Blue metal, with post							Grey post ...	...	0	5	0		
girdles	...	4	4	0			Grey metal ...	...	0	1	1		
COAL	0	0	10			COAL ...	...	0	0	5			
Seggar-clay	1	1	0			Seggar-clay ...	...	0	4	6			
Grey metal	1	1	0			Grey metal ...	...	0	2	6			
Blue metal	1	0	0										
Carried forward	21	4	8	54	2	0	Carried forward	2	3	1	10	3	4	

No. 2,832.—LUMLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	1	110	3	4	Brought forward	24	1	7	110	3	4
Strong grey post ...	0	2	6				Seggar-clay ...	0	1	0			
White post ...	6	4	6				White post ...	4	0	0			
Blue metal ...	0	0	6				Supposed <i>Brockwell</i>						
White post ...	6	0	0				Seam—						
Black stone ...	0	2	2										
COAL ...	0	0	8										
Seggar-clay ...	0	2	0				COAL ...	1	5				
White post ...	3	1	2				COAL, bad	0	9				
Post and whin ...	0	3	0										
White post ...	3	4	0										
Black stone ...	0	1	6				Post ...	1	0	0			
COAL ...	0	0	6										
Carried forward	24	1	7	110	3	4	Total ...	140	2	1			

No. 2,833.—LUTTRINGTON.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 36' 54", Long. 1° 42' 36".

Account of Strata passed through in a Bore-hole on the Luttrington Estate, about 200 yards North of the Farm House, August, 1843.

Approximate surface-level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	19	3	10	7	5	6
Brown stony clay ...	2	1	0				White post, with						
				2	2	6	metal partings ...	1	4	0			
Brown post ...	3	0	6				Grey metal stone,						
Blue metal, with post							with post girdles...	5	0	8			
girdles ...	2	1	2				White post ...	0	5	6			
COAL, very soft,							Grey metal stone,						
with water ...	0	1	4				with post girdles						
				5	3	0	and water at bot-						
Grey metal ...	6	1	0				tom ...	2	0	0			
Whin and post ...	2	2	4				White post ...	8	0	0			
Grey metal, mixed							COAL ...	0	0	7			
with coal ...	0	0	6								37	2	7
White post, with							White post ...	1	2	0			
whin girdles ...	0	3	0				Grey metal ...	0	5	6			
Grey metal, with post							Grey metal stone,						
girdles ...	1	4	7				with post girdles...	1	2	0			
Dark metal, mixed							White post ...	6	0	0			
with coal ...	0	0	7				Whin ...	0	1	0			
Grey post ...	2	0	0				Grey post ...	0	3	0			
Grey metal, with post							Brown and white						
girdles ...	2	2	4				post ...	0	3	4			
White and brown							White post, mixed						
metal, with iron-							with whin ...	3	1	0			
stone girdles ...	1	0	0				Dark grey metal, with						
Grey metal stone ...	0	1	10				post girdles ...	1	4	2			
Whin ...	0	2	0				White post, mixed						
White post ...	1	1	2				with whin ...	1	1	0			
Dark grey metal, with							Whin ...	0	2	0			
girdles ...	1	0	6				White post ...	4	3	0			
Whin, with a feeder							Grey metal ...	4	1	0			
of water ...	0	2	0				White post ...	0	4	0			
Carried forward	19	3	10	7	5	6	Carried forward	26	3	0	45	2	1

No. 2,835.—MARLEY HILL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 54' 42", Long. 1° 40' 40".

Account of Strata sunk through below the Busty Seam at Marley Hill Colliery.—Continuation of No. 1,329.

Approximate surface-level 580·85 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Depth from surface to bottom of <i>Busty Seam</i>				74	0	0 $\frac{1}{4}$	Brought forward	1	5	6	82	2	6 $\frac{1}{4}$	
Fire-clay	0	1	8				Blue metal, with post girdles	2	0	0				
Grey post	3	5	4				Blue metal, with vegetable impressions and post girdles	1	2	0				
Hard grey post	3	0	0				<i>Brockwell Seam—</i>							
Post, with whin layers	1	0	0											
<i>Three-Quarter Seam—</i>														
COAL	0	1	6	8	2	6		Ft. In.						
							COAL	0	5 $\frac{1}{2}$					
Slate, with <i>coal</i> pipes	0	1	6				Band	0	0 $\frac{1}{2}$					
Blue metal	1	0	0				COAL	4	0					
Hard post	0	4	0							0	4	6		
Carried forward	1	5	6	82	2	6 $\frac{1}{4}$						6	0	0
							Total ...					88	2	6 $\frac{1}{4}$

No. 2,836.—MATFEN.

TOWNSHIP OF EAST MATFEN, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. 55° 1' 56", Long. 1° 56' 0".

Account of Strata passed through in a Bore-hole on the Matfen Estate, near the Brick and Tile Works, July 12th, 1852.

Approximate surface-level 425 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	4	4	0				Brought forward	28	3	6	4	4	0
				4	4	0	Limestone	1	1	6			
Brown and grey post, with metal partings	2	1	0				Dark metal stone	0	0	9			
Dark grey metal, with post girdles...	2	4	9				Limestone	1	1	9			
White and grey post	4	1	3				COAL, foul	0	0	6			
Dark metal	5	1	6								31	2	0
Grey and white post	4	4	6				Dark metal	0	5	6			
Dark metal	2	0	0				Grey post	0	2	0			
Limestone	1	0	0				<i>Little Limestone Seam—</i>						
Grey post	0	3	0				COAL	0	2	0			
Dark metal	0	1	0								1	3	6
Grey post	0	2	0				Dark metal	0	0	2			
Limestone	0	0	6				Strong grey post	1	0	6			
Dark metal	5	2	0				Dark grey post	0	5	6			
											2	0	2
Carried forward	28	3	6	4	4	0	Total				39	3	8

No. 2,837.—MATFEN.

TOWNSHIP OF WEST MATFEN, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. _____, Long. _____.

Account of Strata passed through in a Bore-hole at Matfen, by the Side of the Newcastle and Gateshead Water Company's Aqueduct, 1885.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	2	0				Brought forward	1	5	0	16	3	0
Clay, with a little sand and freestone	0	2	6				Yellow freestone shale, with coal and water	0	3	0			
Hard blue stony clay, with boulders	7	5	5								2	2	0
Hard brown clay, with freestone stones	7	5	1				Strong freestone, with water	1	4	6			
				16	3	0	Dark grey shale	0	5	2			
Soft dark grey shale	1	5	0				Soft freestone, with a little water	0	2	0			
											2	5	8
Carried forward	1	5	0	16	3	0	Total ...				21	4	8

No. 2,838.—MEDOMSLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 52' 38", Long. 1° 49' 15".

Account of Strata sunk through below the Busty Bank Seam in the Winding Shaft, Medomsley Colliery.—Continuation of No. 1,341.

Approximate surface-level 866 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Ft.	In.		
Depth from surface to bottom of <i>Busty Bank Seam</i>				60	1	2	Brot. forward	2	4	5	0	6	60	1	2	
Black shale ...	0	1	5				Band	...	0	7						
Coarse fire-clay, with iron nodules	0	4	6				COAL	...	0	4						
Post stone ...	0	0	6							0	3	3				
Grey metal ...	0	0	3										5	3	9	
Post stone ...	0	1	9				Black metal, with coal pipes	...	0	0	6					
Grey metal ...	0	0	2				Blue metal	...	0	5	0					
Post stone ...	0	0	10				White post stone	...	0	1	0					
Grey metal ...	0	1	1				Blue metal	...	3	2	0					
Post ...	0	0	5				White post stone	...	2	1	6					
Grey metal ...	0	0	2				Grey whinstone	...	0	1	0					
Post stone ...	0	2	6				White post	...	1	2	6					
Grey metal ...	0	3	7				Blue metal	...	0	2	0					
Post stone ...	0	1	7				<i>Brockwell Seam</i> —									
Grey metal ...	1	4	10				COAL	...								
Black metal ...	0	0	7					Ft. In.								
Blue shale ...	0	0	4				Dant parting	0	1							
<i>Three-Quarter or Pasture Drift Seam</i> —							COAL, coarse	0	9							
COAL	2	2					Coarse seggar-clay	...	1	8						
Dant parting	0	0½					COAL	...	0	10						
COAL	0	1½									0	5	4			
														9	2	10
Car. forward	2	4	5	0	6	60	1	2						1	0	0
							Total ...							76	1	9

No. 2,839.—MEDOMSLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 52' 35", Long. 1° 49' 9".

Account of Strata sunk through in the Isabella Pit, Medomsley Colliery, 1898.

Approximate surface-level 862 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	8				Brought forward	1	4	4	29	4	4
Stiff blue clay, with boulders	1	0	7				COAL	0	0	7			
Mild blue clay, with ironstone balls ...	0	4	8								1	4	11
Blue clay, with post girdles	2	3	8	4	3	7	Grey metal, with post girdles	4	0	6			
Grey post	1	0	0				Grey post	1	4	0			
Blue metal, with post girdles	1	1	8				Blue metal	2	0	0			
Whin	0	1	2				Grey post	1	2	0			
White post	0	5	2				COAL	0	0	4			
Mild grey post ...	0	2	10								9	0	10
Very hard grey post	0	3	7				Grey post	1	1	5			
Blue metal, with post girdles	0	2	7				Grey metal	1	3	0			
<i>Hutton Seam Goaf:</i> Fallen strata owing to crushed pillars underlying— Thickness of seam, as nearly as could be measured, 7 feet 11 inches ...	2	2	0	7	1	0	Mild blue metal, with ironstone girdles...	2	4	7			
Grey metal	0	4	6				<i>Towneley Seam—</i> COAL , splint	0	4½				
Grey post	0	2	4				Seggar-clay band	0	0½				
Grey metal	0	2	8				COAL	1	10½				
<i>Little Coal Seam Goaf:</i> Fallen strata to thill of seam— Thickness of seam, as nearly as could be measured, about 2 feet	1	3	0	3	0	6				0	2	3	
Grey metal, with post girdles	1	1	0				Seggar-clay	0	4	6			
Grey post, with metal partings	0	5	4				Blue metal	2	0	8			
<i>Main Coal Seam—</i> COAL	0	4	0	2	4	4	<i>Hodge Seam—</i> COAL	0	0	8			
Grey metal	5	4	8								2	5	10
Strong grey metal ...	5	3	6				Seggar-clay	0	3	1			
Grey post	0	4	0				Grey post	1	1	5			
Black metal stone ...	0	0	7				<i>Tilley Seam—</i> COAL	0	1	10			
COAL	0	0	2								2	0	4
				12	0	11	Seggar-clay	0	3	6			
Grey metal	0	0	10				Blue metal	0	5	6			
Grey post	1	3	6				Strong grey metal ...	0	2	0			
Carried forward	1	4	4	29	4	4	<i>Hand Coal Seam—</i> COAL	0	0	3			
											1	5	3
							Seggar-clay	0	1	10			
							Very strong white post	2	0	7			
							Blue metal	1	2	9			
							Ironstone girdle ...	0	1	0			
							Black metal	0	4	2			
							<i>Busty Bank Seam—</i> COAL	3	0				
							Band	1	4				
							COAL	3	2				
										1	1	6	
							Seggar-clay	0	3	4			
											5	5	10
							Carried forward	0	3	4	59	2	7

No. 2,839.—MEDOMSLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	4	59	2	7	Brought forward	0	2	4	67	4	1
Grey metal ...	1	4	9				Grey metal ...	0	4	3			
Hard white post ...	0	1	6				White post ...	0	0	10			
Grey metal ...	1	0	6				COAL ...	0	0	4			
White post ...	0	2	0								1	1	9
Grey metal ...	1	0	0				Seggar-clay ...	0	3	10			
White post ...	1	3	6				Grey metal ...	0	2	7			
Black metal stone ...	0	0	9				Blue metal ...	0	2	6			
White post, with							White post ...	0	0	6			
metal partings ...	0	2	6				Blue metal ...	0	2	2			
<i>Three-Quarter or</i>							White post ...	0	0	3			
<i>Pasture Drift</i>							Blue metal ...	0	0	6			
<i>Seam—</i>							White post ...	4	0	0			
COAL ...	2	6					Whin ...	0	1	6			
Stone band,							White post ...	0	2	6			
with coal							Blue metal ...	0	0	10			
pipes ...	0	3					<i>Brockwell Seam—</i>						
COAL ...	0	1					COAL ...	2	7				
Stone band ...	0	3					Seggar-clay						
COAL ...	0	5					band ...	1	6				
		0	3	6			COAL ...	0	11				
Seggar-clay ...	0	3	0							0	5	0	
COAL ...	0	0	2								7	4	2
				0	3	2	Hard white post ...	2	4	11			
Seggar-clay ...	0	2	4								2	4	11
Carried forward	0	2	4	67	4	1	Total ...				79	2	11

No. 2,840.—MELKRIDGE.

TOWNSHIP OF HENSHAW, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole above Hardriding, for Sir Edward Blackett, Bart., 1837.

Approximate surface-level						feet above sea (Ordnance datum).										
			Fs.	Ft.	In.				Fs.	Ft.	In.					
Soil ... ..	...	...	0	1	0				Brought forward	11	4	6	9	3	10	
Strong brown clay ...	...	...	1	3	6				Grey metal ...	...	2	0	0			
						1	4	6	Strong white and							
Strong brown and									brown post ...	...	8	4	6			
grey post ...	...	...	0	5	6				Grey metal stone,							
Brown post, with									with water ...	...	5	3	0			
water ...	...	...	6	4	0				<i>Little Limestone</i>	...	2	4	0			
Black metal ...	...	...	0	1	6				COAL , foul	...	0	0	5			
COAL , foul	...	...	0	0	4											
						7	5	4	Grey metal ...	...	0	1	0			
Brown rotten post ...	...	...	3	4	0				Strong white post ...	...	1	2	3			
Blue metal ...	...	...	1	0	6				Grey metal stone,							
Strong brown and									with post girdles...	...	2	3	0			
white post, with									COAL , strong	...	0	1	9			
water ...	...	...	7	0	0											
Carried forward	11	4	6	9	3	10				Carried forward				44	4	3

No. 2,840.—MELKRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				44	4	3	Brought forward	6	0	6	44	4	3
Grey metal ...	0	1	6				COAL ...	0	0	6			
White post, with metal partings; and grey metal stone, with post girdles and water											6	1	0
	5	5	0				Grey metal ...	1	3	9			
							Grey metal stone ...	1	1	0			
							Limestone ...	0	1	6			
											3	0	3
Carried forward	6	0	6	44	4	3	Total ...				53	5	6

No. 2,841.—MELKRIDGE.

TOWNSHIP OF MELKRIDGE, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. 54° 58' 7", Long. 2° 24' 5".

Account of Strata sunk through in the Shaft at Melkridge (now Blackett Colliery).

Approximate surface-level 350 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel ...	1	3	0				Brought forward	13	0	8	2	2	6
Sand ...	0	5	6				COAL ...	0	0	8			
				2	2	6					13	1	4
Hazle ...	2	4	6				Grey and white hazle	4	1	0			
Plate ...	7	1	0				COAL ...	0	2	8			
Little Limestone ...	3	1	2								4	3	8
Carried forward	13	0	8	2	2	6	Total ...				20	1	6

No. 2,842.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF FOREST AND FRITH, DURHAM.

Sheet 30 of Ordnance Map. Lat. 54° 41' 14", Long. 2° 19' 47".

Account of Strata sunk through below the Top Level in the Pumping Shaft at Greenhurth Mine.

Approximate surface-level 1,900 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate ...	"	"	"				Brought forward				23	1	6
Single Post Limestone	0	3	0				Hazle ...	5	3	0			
Hazle ...	0	5	6				Plate ...	1	0	0			
Plate ...	4	1	0				Limestone ...	4	3	0			
Hard post ...	0	2	0				Hazle ...	0	4	0			
Plate ...	6	2	0				Plate ...	0	2	6			
Tyne Bottom Lime- stone ...	5	0	0				Limestone ...	0	2	0			
Plate and grey beds (Middle Level) ...	3	0	0				Hazle ...	0	3	6			
Hazle ...	2	0	0				Plate ...	0	3	0			
COAL ...							Hazle (Adit Level)...	1	5	0			
				23	1	6					15	2	0
							Plate and limestone	"	"	"			
Carried forward				23	1	6	Total ...				38	3	6

No. 2,843.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF FOREST AND FRITH, DURHAM.

Sheet 31 of Ordnance Map. Lat. $54^{\circ} 40' 27\frac{1}{2}''$, Long. $2^{\circ} 8' 24''$.*Account of Strata sunk through in the Flushie Mere No. 2 Mine, 1830.*

Approximate surface-level 1,400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate	6	0	0			Brought forward	25	1	8			
Fire-stone	6	3	0			Plate ...	...	1	2	6		
Plate	6	0	0			Girdle bed ...	...	0	0	10		
Girdle bed: Pattin-							COAL ...	...	0	0	6		
son's Sill	0	1	6							26	5	6
Plate	0	2	0			Plate ..	...	2	1	6		
<i>Little Limestone</i>	0	4	0			Low Coal Sill	...	2	2	7		
White hazle	3	0	0			Black bed ...	...	0	0	4		
Plate and grey beds	...	0	1	0			<i>Great Limestone</i> , to						
High Coal Sill	1	4	8			level sole ...	...	10	2	6		
Plate	0	1	6							15	0	11
Post of sill	0	2	0									
Carried forward	25	1	8				Total ...	...	42	0	5		

NOTE: About 6 feet 10 inches above the Level mouth. This shaft is near Level Head, 8 fathoms along South Branch. It is 266 fathoms in a straight line from the Level mouth.

No. 2,844.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF MIDDLETON-IN-TEESDALE, DURHAM.

Sheet 39 of Ordnance Map. Lat. $54^{\circ} 38' 49''$, Long. $2^{\circ} 5' 41''$.*Account of Strata sunk through at Westmost, Skears Mine, in Vein D, 1837.*

Approximate surface-level 1,369 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and plate	8	5	0			Brought forward	49	1	6			
Low Slate Sill	0	5	0			Plate ...	...	1	3	0		
Plate	10	0	0			<i>Great Limestone</i> ...	...	11	0	0		
Fire-stone	10	2	0			Tuft ...	...	1	0	0		
Plate	6	0	0			<i>Three Post Limestone</i>	...	0	3	0		
<i>Little Limestone</i>	1	1	0			Quarry Hazle	...	2	0	0		
White hazle	2	3	0			Plate ...	...	2	0	0		
High Coal Sill	5	1	0							67	1	6
Low Coal Sill	4	2	6									
Carried forward	49	1	6				Total ...	...	67	1	6		

NOTE: This shaft is 1,120 feet from Fire-stone Level mouth,

No. 2,845.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF MIDDLETON-IN-TEESDALE, DURHAM.

Sheet 39 of Ordnance Map. Lat. $54^{\circ} 39' 4\frac{1}{2}''$, Long. $2^{\circ} 5' 13''$.*Account of Strata sunk through in the Skears Mine, 190 feet South-east of Club Gill House, in Vein E.*

Approximate surface-level 1,250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	...	6	3	0			Brought forward	19	3	9			
High Coal Hazle ...	...	6	3	9			Great Limestone: To						
Plate ... ..	...	0	2	6			drift, but not to						
Low Coal Hazle ...	...	4	0	9			bottom of lime-						
Plate and grey beds	1	5	9				stone... ..	...	7	3	3		
											27	1	0
Carried forward	19	3	9				Total ...	...	27	1	0		

NOTE: This shaft is marked on the Ordnance Map as an Old Limekiln, and is a very old shaft, but not the shaft sunk by the Lead Company in 1835, which was 90 feet further East, but in the same vein. The neap is taken away.

No. 2,846.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF MIDDLETON-IN-TEESDALE, DURHAM.

Sheet 39 of Ordnance Map. Lat. , Long.

Account of Strata sunk through at Skears Great Rise.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Fire-stone, part of ...	10	0	0				Brought forward	38	2	0			
Pattinson's Sill ...	...	1	4	0			Tuft ... ..	...	5	0	0		
Plate ... ..	...	3	2	0			Plate, with posts of						
Little Limestone ...	...	1	4	0			hazle ... ..	...	1	4	0		
White hazle ... ..	...	0	2	0			Quarry Hazle ...	...	5	0	0		
Plate ... ..	...	1	2	0			Plate ... ..	...	5	0	0		
High Coal Sill ...	...	1	4	0			Four Fathoms Lime-						
Plate ... ..	...	3	2	0			stone ... ..	...	3	2	0		
Low Coal Sill and							Nattrass Gill Hazle	1	4	0			
plate ... ..	...	3	2	0			Plate ... ..	...	5	0	0		
Great Limestone ...	...	11	4	0							65	0	0
Carried forward	38	2	0				Total ...	...	65	0	0		

No. 2,847.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF MIDDLETON-IN-TEESDALE, DURHAM.

Sheet 39 of Ordnance Map. Lat. 54° 38' 54", Long. 2° 5' 47".

Account of Strata sunk through in the Skears Mine, in Vein F.

Approximate surface-level 1,400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	17	0	0			Brought forward	44	2	6			
Ironstone	0	3	0			Low Coal Sill ...	4	3	6			
Plate	0	4	0			Plate ...	1	0	0			
Ironstone	0	3	0			<i>Great Limestone</i> ...	11	0	0			
Plate	0	5	0			Tuft ...	1	1	0			
Fire-stone	11	3	0			Plate ...	2	3	0			
Plate	4	5	0			<i>Three Post Limestone</i> ...	0	4	0			
<i>Little Limestone</i>	1	0	0			Quarry Hazle ...	1	4	0			
White hazle	2	2	6			Plate ...	6	4	0			
High Coal Sill	5	1	0							73	4	0
Carried forward	44	2	6				Total ...	...	73	4	0		

No. 2,848.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF MIDDLETON-IN-TEESDALE, DURHAM.

Sheet 39 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Coldberry and Lodgesyke Lead-mines, Lower Teesdale.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate	2	4	0			Brought forward	18	1	6	38	5	0
Hazle	1	2	0			White sill ...	1	2	0			
Plate	7	3	0			High Coal Sill ...	6	2	0			
Low Slate Sill (a)	8	4	0			Plate ...	1	2	0			
Plate and grey beds	...	2	0	0			Low Coal Sill (d) ...	2	3	0			
Top Fiddler Sill (b)	1	3	0			Plate ...	0	3	0			
Plate	4	0	0			<i>Great or Twelve</i>						
Low Fiddler Sill	0	5	0			<i>Fathoms Limestone</i>						
Plate	7	1	0			(e) ...	10	0	0			
Ironstone	2	4	0			Tuft (f) ...	2	0	0			
COAL, till bed and							Plate ...	2	3	0			
plate	0	3	0			Quarry Hazle ...	0	3	6			
							Plate ...	8	0	0			
Fire-stone (c)	11	2	6		38 5 0	<i>Four Fathoms Lime-</i>						
Plate	6	0	0			<i>stone</i> ...	4	0	0			
<i>Little Limestone</i>	0	5	0							57	2	0
Carried forward	18	1	6	38	5	0	Total ...	...	96	1	0		

(a) Random of Lodgesyke High Level.

(b) Random of Top or Slate Sill Level.

(c) Random of Lodgesyke Low Level.

(d) Random of Richardston Level and Crushing Mill.

(e) Random of North Level and of Hudeshope Head Low Level.

(f) Random of Low Level.

NOTES: The strata at Coldberry mine dip to the West.

The strata at Lodgesyke mine, on the East side of Hudeshope Valley, correspond with the strata at Coldberry mine, on the West side of the Valley.

No. 2,849.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF MIDDLETON COMMON, DURHAM.

Sheet 32 of Ordnance Map. Lat. $54^{\circ} 40' 25''$, Long. $1^{\circ} 59' 5''$.*Account of Strata sunk through in the A Shaft, Sharnberry Mine, Upper Teesdale.*

Approximate surface-level 1,300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong hazle	...	7	5	6			Brought forward	27	3	0			
Plate	0	5	0			Strong hazle	...	11	5	0		
Sandstone	1	5	0			Plate and grey beds	...	5	5	0		
Plate	0	4	0			Hazle ...	...	...	1	4	0	
Strong hazle	...	5	2	0			Plate ...	...	...	0	4	0	
Plate	1	0	0			Hazle ...	...	...	1	5	0	
Hazle	1	5	6			Plate ...	...	...	10	0	0	
Plate and grey beds	...	3	0	0							59	2	0
<i>Fell Top Limestone</i>	1	0	0			Hazle...	...	...	...	...	...	...
Plate and grey beds	...	4	0	0							...	...	...
Carried forward	27	3	0				Total ...	...	59	2	0		

No. 2,850.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF GRASSHILL COMMON, DURHAM.

Sheet 30 of Ordnance Map. Lat. $54^{\circ} 42' 50''$, Long. $2^{\circ} 17' 50''$.*Account of Strata sunk through in the Ashgillhead Mine, Upper Teesdale.*

Approximate surface-level 1,750 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate ...	...	5	2	0			Brought forward	38	2	11			
High Slate Sill	...	1	3	6			High Coal Sill	...	3	0	0		
Plate ...	...	0	4	0			Plate and coal	...	1	3	0		
Low Slate Sill (a)	...	2	0	0							4	3	0
Plate ...	...	7	3	8			Low Coal Sill	...	3	0	0		
Ironstone	...	2	0	0			Plate ...	...	1	2	0		
Plate, till bed and coal	...	1	0	9			<i>Great Limestone</i>	...	9	3	0		
				20	1	11	Tuft ...	...	2	3	0		
Fire-stone (b)	...	6	2	0			Grey beds	...	0	5	0		
Plate ...	...	5	1	0			Plate ...	...	1	5	0		
Pattinson's Sill	...	0	3	0			Quarry Hazle	...	2	0	0		
Plate ...	...	2	0	0			Plate ...	...	7	0	0		
<i>Little Limestone</i>	...	0	4	0			<i>Four Fathoms Lime-</i>						
White sill	...	2	0	0			<i>stone (c)</i>	...	3	4	0		
Plate and coal	...	1	3	0			Grey beds	...	0	3	0		
				18	1	0	Nattrass Gill Hazle	...	2	0	0		
Carried forward	38	2	11								34	1	0
							Total ...	...	77	0	11		

(a) Random of High Level.

(b) Random of Middle Level.

(c) Random of Low Level.

NOTE: The Great Limestone, Fire-stone, and Slate Sills produced a large quantity of lead-ore.

No. 2,851.—MIDDLETON-IN-TEESDALE.

TOWNSHIP OF FOREST AND FRITH, DURHAM.

Sheet 30 of Ordnance Map. Lat. 54° 42' 6", Long. 2° 18' 5".

Account of Strata sunk through in The Lady's Rake Mine, Upper Teesdale.

Approximate surface-level 1,500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate	1	5	0				Brought forward	30	0	6			
Single Post Limestone	1	3	0				Jew Limestone	4	3	0			
Hazle	0	5	6				Hazle	0	4	0			
Plate	4	1	0				Plate	0	2	0			
Hard post	0	2	0				Limestone	0	2	0			
Plate	5	5	0				Hazle (b)	0	3	6			
Tyne Bottom Limestone	5	0	0				Plate	0	3	0			
Plate and grey beds (a)	3	0	0				Hazle	1	5	0			
Hazle	2	0	0				Limestone	2	0	0			
Plate, with hazle beds	5	3	0				Grey beds	3	0	0			
Carried forward	30	0	6				Hazle	1	3	0			
							Limestone	3	3	0			
							Whetstone (c)	2	0	0			
											50	5	0
							Total				50	5	0

(a) Random of Wigram's Level.

(b) Random of Shaft Foot.

(c) Random of depth reached with sump from shaft drift.

NOTES: The Whin Sill is not seen at Lady's Rake, but is approximately 40 fathoms in thickness.

A Whin Dyke, about 8 fathoms wide, was cut in the Level, west of the shaft.

The Teesdale Fault has an upthrow to the South-west of from 60 to 80 fathoms, exposing the Whin Sill on the South side of the valley.

No. 2,852.—MIDDRIDGE.

TOWNSHIP OF MIDDRIDGE, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 54", Long. 1° 36' 44".

Account of Strata sunk and bored through in the Charles Pit, Middridge Colliery.—Continuation of No. 1,357.

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of Busty Seam				39	2	4	Brought forward	0	4	0	50	3	1½
Sinking:—							Blue metal	0	3	4			
Seggar-clay	0	2	0				COAL	0	0	8			
Light brown post	8	4	0								1	2	0
COAL	0	0	3				Coarse fire-clay	0	3	0			
				9	0	3	Post girdle	0	1	0			
White post	2	0	0				Blue metal	3	2	0			
COAL	0	0	6½				Very strong white post	5	1	2½			
				2	0	6½	Grey post, with partings	2	1	6			
Fire-clay	0	4	0				Blue metal, with girdles	0	4	0			
Carried forward	0	4	0	50	3	1½	Carried forward	12	0	8½	51	5	1½

No. 2,852.—MIDDRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	0	8½	51	5	1½	Brought forward	8	0	8	80	0	9½
<i>Brockwell Seam—</i>							Grey post ...	0	2	4			
COAL ...	0	5	6				Hard grey post ...	0	1	1½			
				13	0	2½	Blue whin ...	0	0	10½			
				64	5	4	Grey post ...	0	0	6			
<i>Bored further:—</i>							White post ...	0	3	4			
Seggar-clay ...	0	4	0				Blue metal ...	0	0	4			
Grey post ...	0	3	5½				White post ...	0	3	7			
Hard white post,							Grey post ...	0	2	2			
with water ...	0	5	6				White post ...	0	2	7			
Blue metal ...	1	2	6				Blue whin ...	0	0	8			
Grey metal ...	3	1	8				White post ...	0	3	4			
Grey and white post	2	1	2				Blue metal ...	0	0	2			
Grey metal ...	0	5	0				White post ...	0	0	4			
Blue metal ...	1	0	1				Blue metal ...	0	0	2			
Seggar-clay ...	0	4	2				White post ...	0	0	8			
Blue metal, with							Grey metal ...	0	5	4			
post and ironstone							Black shale ...	0	0	2			
girdles ...	0	4	1				Grey metal ...	0	4	4			
Grey metal ...	2	4	10				Blue metal ...	0	1	10			
Blue and black shale	0	0	9										
COAL ...	0	0	3				COAL ...	0	2				
				15	1	5½	Stone band ...	0	0¼				
Grey sandstone ...	0	1	3				COAL ...	0	4¼				
White post ...	0	1	2							0	0	7	
Grey metal, with post											13	5	1
girdles ...	0	4	6				White post ...	0	0	4			
Blue metal ...	0	5	7				Grey metal ...	0	1	2			
White post ...	0	0	6				COAL ...	0	0	3			
Blue metal ...	0	0	10								0	1	9
White post ...	0	0	7				Blue metal ...	0	1	1			
Blue metal ...	0	0	4				White post ...	0	0	10			
Sandstone ...	0	2	11				Blue metal, with post						
Blue metal, with post							panels ...	0	0	7			
girdles ...	1	2	10				White post ...	0	0	3			
Strong white post ...	2	2	2				Blue metal ...	0	0	5			
Blue metal, with post							White post ...	2	5	8			
girdles ...	0	4	3				Blue metal ...	0	1	0			
Sandstone ...	0	1	0				White post ...	0	1	4			
Blue metal ...	0	0	10				White post, mixed						
White post ...	0	1	11				with whin ...	0	1	5			
											4	0	7
Carried forward	8	0	8	80	0	9½	Total ...				98	2	2½

No. 2,853.—MIDDRIDGE.

TOWNSHIP OF MIDDRIDGE, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 32", Long. 1° 36' 57".

Account of Strata passed through in a Bore-hole on the North Boundary of Midldridge Royalty, 1872.

Approximate surface-level 420 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and rubble lime-							Brought forward	1	5	0			
stone ...	1	5	0				Limestone ...	10	0	0			
											11	5	0
Carried forward	1	5	0				Carried forward				11	5	0

No. 2,853.—MIDDRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				11	5	0	Brought forward				21	0	6
Pipe-clay, with <i>coal</i>							White post ...	0	4	6			
and water ...	0	4	0				Hard iron girdles ...	0	1	6			
Blue clay, with <i>coal</i>							Blue metal ...	1	2	8			
and water ...	1	0	0				COAL, dirty ...	0	0	10			
Hard post ...	0	5	0				Seggar-clay, with						
Sandy post, with							hard girdles ...	2	1	6			
girdles ...	4	4	0				COAL ...	0	0	11			
Very hard white post	0	0	8								4	5	11
Grey post ...	1	4	4				Blue stone ...	1	0	0			
Sandy post ...	0	0	6				White sandy post ...	1	0	7			
COAL ...	0	1	0				Hard post, into ...	0	2	0			
				9	1	6					2	2	7
Carried forward				21	0	6	Total ...				28	3	0

No. 2,854.—MIDDRIDGE.

TOWNSHIP OF MIDDRIDGE GRANGE, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 36' 57", Long. 1° 36' 7".

Account of Strata passed through in a Bore-hole at the Old Towns Quarry, Middridge, 1874.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	1	0	10				Brought forward	12	4	10	6	0	0
				1	0	10	Blue metal, with						
Limestone ...	4	5	2				grey beds... ..	0	5	0			
				4	5	2	Dark metal ...	0	3	0			
Yellow sandstone ...	0	4	0				Fire-clay, with water	0	3	2			
Light sandstone ...	2	1	0				Blue metal ...	0	0	6			
Soft red sandstone... ..	1	3	0				Blue metal, with						
Blue metal ...	0	5	0				grey beds ...	1	1	6			
Hard post ...	0	2	0				Light post ...	1	0	0			
Mild sandstone, with							Grey post ...	1	5	0			
water ...	2	4	6				Blue metal ...	0	1	0			
Blue metal ...	0	0	6				Light post girdle,						
Grey metal ...	1	0	0				with water ...	0	1	0			
Blue metal ...	1	5	0				Dark metal, with						
Hard post girdle ...	0	1	0				coal pipes ...	0	3	0			
Blue metal ...	0	1	2				Extra hard post, into	1	3	3			
Dark metal, with <i>coal</i>											21	1	3
pipes ...	0	1	0										
Fire-clay ...	1	0	8				Total ...				27	1	3
Carried forward	12	4	10	6	0	0							

No. 2,855.—MIDGEHOLME.

TOWNSHIP OF HARTLEYBURN, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat. 54° 55' 20", Long. 2° 31' 52".

Account of Strata passed through in the No. 6 Bore-hole, on Bell's Holme, by the Black Burn, near Halton-le-Gate Farm, Midgeholme, by Messrs. William Coulson and Son, 1879.

Approximate surface-level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	8	3	1	13	2	0
Sand, clay and rough gravel	0	5	0				Strong dark grey shale, with thin girdles	3	3	6			
Sand and gravel, with water	0	1	6				COAL and black stone, mixed	0	0	4			
				1	2	0					12	0	11
Soft grey shale	0	3	6				Hard whin	0	1	8			
COAL , hard, with band near top	0	2	5				Strong dark grey shale, with hard girdles	2	2	4			
				0	5	11	Very strong grey post, with thin shale partings	0	4	3			
Mild grey post, with shale partings	2	3	1				Strong light grey shale	1	1	10			
Yellow freestone	0	2	11				Very hard post, with light shale partings	0	1	9			
Hard grey post	0	2	5				Strong light grey shale	1	1	0			
Light grey post, with soft yellow partings	0	4	0				Hard white post	0	4	8			
Grey shale, with ironstone balls	2	3	9				Millstone grit, with thin soft partings	4	2	3			
Dark grey shale	1	2	1				Strong light grey shale	0	4	5			
							Very hard grey post	0	1	7			
COAL , mixed with shale 0 3½							Strong dark grey shale	2	1	9			
COAL ... 0 11½							Dark grey shale	0	0	6			
Black stone ... 0 3							Strong light grey shale	0	5	9			
	0	1	6				Light grey post, with shale partings	2	3	6			
				8	1	9	Hard white post, with shale partings	3	3	8			
White argillaceous post	0	3	10				Strong dark grey shale	3	2	1			
Light grey shale	2	0	4				Light grey shale, with ironstone balls	2	2	6			
COAL	0	0	2				Grey post, with shale partings	1	1	9			
				2	4	4	Dark grey shale, with thin post girdles	3	2	8			
Light grey shale	0	2	2				Hard grey post, with thin post girdles	3	0	11			
White post	0	2	8				Black shale	0	0	11			
Dark grey shale, with post girdles	0	4	10				Strong grey shale, with post girdles	2	3	0			
Blue whinstone	0	2	7										
Light grey shale, with thin girdles	1	4	7										
Soft grey shale	1	2	6										
Strong dark grey post, with thin shale partings and water	0	3	6										
Soft dark grey shale	1	0	3										
Hard white post	0	2	2										
Gullet, with loose stone and water	0	1	4										
Hard grey post, with shale	1	0	6										
Carried forward	8	3	1	13	2	0	Carried forward	38	0	9	25	2	11

No. 2,855.—MIDGEHOLME.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	38	0	9	25	2	11	Brought forward	12	0	3	71	3	5
Hard grey post, with hard girdles ...	2	0	8				Hard white post, with mild partings and water ...	6	2	1			
Soft light grey shale ...	0	0	9				Dark shale, with iron girdles ...	5	2	10			
Limestone ...	0	2	8				Bastard limestone ...	0	2	9			
Dark grey whin ...	0	4	6				Soft shale partings...	0	0	2			
Dark grey shale ...	0	1	3				Hard limestone, with water ...	3	0	0			
Whin ...	0	0	7				White post, with soft partings ...	1	0	3			
Post, with shale part- ings ...	1	4	0				Strong dark grey shale ...	2	4	6			
COAL, coarse ...	0	0	4				Very hard post ...	0	2	1			
				43	3	6	Grey shale ...	0	0	4			
Light grey shale ...	0	2	10				Very hard post ...	0	1	2			
Dark grey post ...	0	3	10				Grey shale, with hard girdles ...	0	2	10			
Hard grey post ...	1	2	1				Hard white post ...	2	3	2			
COAL ...	0	0	3				Dark grey metal ...	3	2	6			
				2	3	0	Black shale ...	0	0	4			
Hard grey post, with thin partings and water ...	4	1	0				COAL ...	0	0	4½			
Strong dark grey shale ...	1	5	6								38	1	7½
Hard limestone, with 3 inches of shale 10 inches from bottom	0	4	0				Strong dark grey shale ...	0	1	8½			
White post, with soft shale partings ...	0	4	6				Strong light lime- stone, with shale partings ...	2	1	4			
Hard light post, with mild partings and water ...	0	4	11				Dark limestone, with shale partings ...	1	1	7			
Strong dark grey shale ...	0	1	10				Very hard limestone	1	0	0			
Hard grey post, with shale partings and water ...	1	1	0				Very hard post, with limestone partings	0	3	10			
Strong shale, with post girdles ...	2	1	6								5	2	5½
Carried forward	12	0	3	71	3	5	Total ...				115	1	6

No. 2,856.—MORPETH.

TOWNSHIP OF MORPETH, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 54° 10' 38", Long. 1° 40' 55".

Account of Strata sunk through in the New Well at the County Lunatic Asylum, Morpeth, 1885.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface soil and clay	2	4	0				Brought forward	6	0	9	2	4	0
				2	4	0	Coarse sandstone ...	5	2	0			
Sandstone ...	5	0	0				COAL ...	0	2	3			
Blue metal ...	0	4	0								11	5	0
Hard stone ...	0	1	6				Fire-clay ...	0	2	0			
Blue metal, with water ...	0	1	3				Whinstone ...	0	1	0			
											0	3	0
Carried forward	6	0	9	2	4	0	Total ...				15	0	0

No. 2,857.—MORPETH.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 2", Long. 1° 39' 34".

Account of Strata passed through in the No. 1 Bore-hole on the Barmoor Estate, near Coal Burn Bridge, 1895.

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong stony blue clay ...	13	0	0				Brought forward	3	1	10½	13	0	0
				13	0	0	Light brown post ...	0	2	3			
Fine blue grey post	1	1	4				Very hard white post	0	4	9			
Fine white post, with blue partings ...	1	2	10½				White post ...	1	1	2½			
Dun parting...	0	0	3				COAL , with 3 inches soft seggar-clay band ...	0	2	2			
Hard white post ...	0	3	5								6	0	3
Carried forward	3	1	10½	13	0	0	Total ...				19	0	3

No. 2,858.—MORPETH.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8' 57", Long. 1° 39' 48".

Account of Strata passed through in the No. 2 Bore-hole on the Barmoor Estate, near the Burn side.

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	12	2	0				Brought forward				17	2	5½
				12	2	0	Dark seggar-clay ...	0	0	10½			
Coarse black seggar-clay, with coal dant	0	1	2				Dark post, with mica specks ...	0	3	10			
Light seggar-clay ...	0	1	7				Hard white post ...	0	0	6			
Close blue grey post	0	3	6				Dark close post	0	1	0			
Close yellow post ...	0	0	6				Hard white post	0	1	11			
Soft yellow post ...	0	0	3				Dark blue post	0	1	10			
Hard post ...	0	1	7				Dark blue metal	0	4	1			
Hard white post ...	0	1	10				Iron band	0	0	1½			
Close hard white post ...	0	1	11				Crisp black metal	0	0	5½			
Soft dun swad ...	0	0	5				Light seggar-clay	0	5	7			
Lime and ironstone band ...	0	0	3½				Dark seggar-clay	0	1	9			
Grey post, with dun joints ...	0	2	1				Dark grey post, with metal partings ...	4	3	9			
Hard white post ...	2	0	2				Dark seggar-clay	0	0	3			
Seggar-clay ...	0	0	6				Coarse white post	0	4	5			
COAL ...	0	11					Dark blue metal	0	0	4			
Dark seggar-clay band ...	0	3					COAL , very strong	0	2	4			
COAL ...	1	6									9	3	0½
				0	2	8							
Carried forward				17	2	5½	Total ...				26	5	6

No. 2,859.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in a Bore-hole on Catchburn Farm,
60 yards West of the Newcastle Road, 1900.*

Approximate surface-level 190 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay ...	0	2	0				Brought forward	17	4	7	3	2	5
Yellow freestone ...	2	3	6	0	2	0	White post ...	6	0	9			
Blue shale ...	0	1	2				Yellow freestone ...	9	1	0			
COAL ...	0	1	9				Blue shale ...	0	5	0			
				3	0	5	COAL ...	0	0	6			
Seggar-clay ...	0	5	6								33	5	10
Brown freestone ...	11	2	4				Seggar-clay ...	0	2	0			
Blue shale ...	3	1	6				White post ...	5	3	0			
Grey post ...	2	1	3								5	5	0
Carried forward	17	4	7	3	2	5	Total ...				43	1	3

No. 2,860.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 43", Long. 1° 40' 13".

*Account of Strata passed through in the No. 1 Bore-hole, Park House,
Morpeth, 1903.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Open cutting ...	4	0	0				Brought forward	10	0	6			
Sand ...	4	0	0				Clay ...	1	0	0			
Clay ...	0	0	6				Loam ...	1	0	0			
Sand ...	2	0	0								12	0	6
Carried forward	10	0	6				Total ...				12	0	6

No. 2,861.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 9' 55", Long. 1° 40' 7½".

*Account of Strata passed through in the No. 4 Bore-hole, Park House,
Morpeth, 1903.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	0	2	0				Brought forward	15	2	0			
Sand ...	3	0	0				Sand ...	0	3	0			
Loam ...	4	0	0								15	5	0
Clay ...	8	0	0										
Carried forward	15	2	0				Total ...				15	5	0

No. 2,862.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 51", Long. 1° 40' 8".

*Account of Strata passed through in the No. 7 Bore-hole, Park House,
Morpeth, 1903.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	2	0				Brought forward	7	2	0			
Sand	3	0	0				Blue clay	1	0	0			
Loam	4	0	0								8	2	0
Carried forward	7	2	0				Total				8	2	0

No. 2,863.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 44", Long. 1° 40' 4½".

*Account of Strata passed through in the No. 8 Bore-hole, Park House,
Morpeth, 1903.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	6	0	0				Brought forward	11	0	6			
Clay	0	0	6				Clay	5	0	0			
Sand	5	0	0								16	0	6
Carried forward	11	0	6				Total				16	0	6

No. 2,864.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 51", Long. 1° 39' 47".

*Account of Strata passed through in the No. 9 Bore-hole, Park House,
Morpeth, 1903.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	4	0	0				Brought forward				12	0	0
Loam	2	0	0				Freestone	0	2	6			
Clay	6	0	0								0	2	6
				12	0	0							
Carried forward				12	0	0	Total				12	2	6

No. 2,865.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 50", Long. 1° 39' 44".

*Account of Strata passed through in the No. 10 Bore-hole, Park House,
Morpeth, 1903.*

Approximate surface-level				feet above sea (Ordnance datum).			
	Fs.	Ft.	In.	Fs.	Ft.	In.	
Sand	0	2	0	Brought forward		
Gravel	0	3	0	2	3	0
Sand	1	3	0	Clay ...	...	4 0 0
Loam	0	1	0			
Carried forward				2	3	0	6 3 0
				Total ...			6 3 0

No. 2,866.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 4", Long. 1° 40' 9".

*Account of Strata passed through in the No. 1 Bore-hole on the
Stobhill Estate, near Morpeth, 1897.*

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Soil and clay	...	0	4	6				Brought forward	3	4	5	25	4	8		
Boulder-clay	...	5	4	7				Light grey post	...	2	1	7				
				6	3	1	COAL	...	...	0	0	2		
Freestone,	with										6	0	2			
water	...	7	4	8				Light grey shale	...	1	0	0				
				Ft.	In.				Very strong light							
Black stone	...	0	1½				grey post	...	4	2	3					
and coal	...	0	1½				Strong white post	...	5	0	8					
COAL, hard	0	9½							Light grey shale,							
COAL, bright	1	5							with post girdles...	4	2	3				
				0	2	4				Freestone	...	3	5	10		
				8	1	0				Dark grey shale and						
Light grey shale	...	1	0	8				coal	...	0	0	3				
Light grey post	...	1	1	3				Light grey shale,								
Dark grey shale	...	3	5	1				with post girdles...	1	2	0					
COAL	...	0	0	2				Dark grey shale, with								
				6	1	2				coal threads	...	0	0	6		
Light grey shale	...	0	2	0				Light grey shale	...	0	3	6				
Freestone	...	4	1	10				Very hard light grey								
COAL, coarse at top	0	1	7				post	...	0	2	9					
				4	5	5				Light grey shale	...	2	2	2		
Light grey shale,														23	4	2
with post girdles...	3	4	5													
Carried forward	3	4	5	25	4	8				Total	55	3	0	

No. 2,867.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.Sheet 72 of Ordnance Map. Lat. $55^{\circ} 8' 57\frac{1}{2}''$, Long. $1^{\circ} 40' 31''$.*Account of Strata passed through in the No. 2 Bore-hole on the
Stobhill Estate, near Morpeth, 1897.*

Approximate surface-level 250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	...	0	1	6			Brought forward	23	0	0			
Boulder-clay ...	...	1	2	8			Rough sand and clay,						
Running sand ...	...	3	3	2			with thin partings						
Boulder-clay ...	...	0	5	0			of freestone and						
Sand, with a little							water ... ..	...	1	2	6		
water ... ..	...	0	0	9							24	2	6
Boulder-clay ...	...	16	4	11			Freestone ... ..	...	0	2	6		
											0	2	6
Carried forward	23	0	0				Total ... ..	...	24	5	0		

No. 2,868.—MORPETH.

TOWNSHIP OF MORPETH CASTLE, CATCHBURN, STOBHILL AND
PARK HOUSE, NORTHUMBERLAND.Sheet 72 of Ordnance Map. Lat. $55^{\circ} 8' 48''$, Long. $1^{\circ} 40' 10''$.*Account of Strata passed through in the No. 3 Bore-hole on the
Stobhill Estate, near Morpeth, 1897.*

Approximate surface-level 190 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stones ...	0	1	6				Brought forward	11	1	3½	8	1	10½
Gravel, with water...	2	3	0				Dark grey shale ...	0	2	4½			
Sand, with water ...	2	4	10				COAL ...	0	2	3			
Boulder-clay ...	0	2	0								11	5	11
				5	5	4	Seggar-clay ...	0	1	10½			
Light grey shale ...	1	4	6				Light grey shale ...	1	2	10			
Dark grey shale ...	0	1	3				Grey post, with shale						
	Ft.	In.					partings ...	1	5	0			
COAL , coarse	0	10					Dark grey shale ...	3	3	6			
Black stone ...	0	6					Black shale ...	0	1	9			
COAL ...	0	5					COAL ...	0	0	2			
Dark shale	0	5					Dark grey shale ...	0	2	4			
band ...	0	5					COAL and dant	0	0	3			
COAL ...	0	7½									7	5	8½
	0	2	9½				Freestone ...	3	0	6			
				2	2	6½	Dark shale ...	0	0	4			
Seggar-clay ...	0	2	8½				COAL ...	0	0	4			
Grey shale ...	0	2	6								3	1	2
Light grey post ...	1	4	0				Light grey shale,						
Light grey shale ...	0	2	0				with post partings	1	0	3			
Black shale ...	0	1	5				Dark grey shale ...	1	5	4			
Black stone, with a							Light grey shale,						
little coal ...	0	0	6				with post girdles...	1	0	9			
Light grey shale ...	1	3	10								4	0	4
Freestone, with													
shale partings ...	6	2	4										
Carried forward	11	1	3½	8	1	10½	Total ...				35	3	0

No. 2,869.—MUGGLESWICK.

TOWNSHIP OF MUGGLESWICK, DURHAM.

Sheet 17 of Ordnance Map. Lat. $54^{\circ} 49' 8''$, Long. $2^{\circ} 0' 15''$.*Account of Strata sunk through at Feldon.*

Approximate surface-level 1,100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Low grit	5	1	0				Brought forward	27	5	0	8	4	0	
Pebbles	2	5	0				COAL and hard coal							
Plate	"	"	"				sill	1	4	0				
<i>Fell Top Limestone</i>	0	3	0								29	3	0	
COAL	0	1	0				Grey beds	1	2	0				
				8	4	0	Plate and coal ...	1	4	0				
												3	0	0
Plate	1	0	0				Low Coal Sill and							
Hard strong crag sill	4	2	0				sandstone	2	3	0				
Plate	1	5	0				Plate	1	0	0				
Pattinson's Sill ...	2	4	6				Hazle	0	3	0				
Plate	4	1	6				Plate	1	0	0				
Hazle	0	3	0				<i>Great Limestone</i> ...	9	2	0				
Plate	2	0	0				Tuft	0	4	0				
Hazle	4	3	0				Grey beds	0	2	6				
Plate	1	2	0				Hazle	1	1	3				
<i>Little Limestone and</i>							Plate	1	1	6				
black beds	1	3	0				<i>Hewitson's Limestone</i>	0	4	0				
Hazle	0	4	0								18	3	3	
Plate	3	1	0											
Carried forward	27	5	0	8	4	0	Total				59	4	3	

No. 2,870.—NETHERTON.

TOWNSHIP OF NETHERTON, NORTHUMBERLAND.

Sheet 37 of Ordnance Map. Lat. $55^{\circ} 22' 15''$, Long. $1^{\circ} 59' 50''$.*Account of Strata passed through in a Bore-hole at Netherton Pike, 1861.*

Approximate surface-level 640 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	...	...	...	1	0	6	Brought forward	5	4	0	1	0	6
Grey freestone ...	...	...	...	0	5	0	Hard freestone bands,						
Light blue metal ...	...	...	...	0	4	0	with metal part-						
Light coloured free-							ings ...	...	1	0	0		
stone ...	...	...	...	0	3	6	Freestone ...	...	0	2	0		
White metal ...	...	...	...	0	0	6	Hard bands, with						
Hard bastard free-							metal partings ...	...	0	2	0		
stone ...	...	...	...	0	5	0	Light blue metal ...	...	1	3	0		
Ironstone bands, with							Hard freestone bands,						
metal partings ...	...	...	...	0	4	6	with metal part-						
White metal ...	...	...	...	0	2	6	ings ...	...	1	2	9		
White beddy free-							Hard flinty stone ...	...	0	2	0		
stone ...	...	...	...	0	4	0	Hard bands, with						
Hard bastard stone	...	...	...	0	5	0	light blue metal						
							partings ...	...	1	3	0		
Carried forward	5	4	0	1	0	6	Carried forward	12	0	9	1	0	6

No. 2,870.—NETHERTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	0	9	1	0	6	Brought forward	20	2	1	1	0	6
Freestone ...	0	2	6				Light coloured metal	1	2	0			
White metal...	0	4	0				Hard white stone ...	1	0	0			
Hard bastard free-							Hard bastard sand-						
stone ...	0	1	10				stone ...	1	5	8			
Green metal...	0	4	0				Light metal...	0	3	6			
Bands, with soft							Hard stone ...	0	2	6			
partings ...	0	3	0				Grey metal ...	0	3	0			
Light coloured metal	0	3	0				Hard bastard sand-						
Freestone bands,							stone ...	0	2	0			
with thin partings	0	2	0				Hard light blue irony						
Light blue metal ...	0	4	0				limy beds ...	0	2	0			
Beddy freestone,							Grey metal ...	1	5	0			
with partings every							Hard bands of irony						
10 or 12 inches ...	3	1	0				limestone, 3 to 6						
Bastard ironstone,							inches thick ...	0	2	0			
with metal part-							Grey metal ...	0	0	10			
ings ...	1	0	0								29	0	7
Carried forward	20	2	1	1	0	6	Total ...				30	1	1

No. 2,871.—NEWCASTLE-UPON-TYNE.

TOWNSHIP OF BENWELL, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat.

, Long.

*Account of Strata passed through in a Bore-hole in Mr. Douglas' Garden,
North-west of the West Gate, Newcastle-upon-Tyne, for
Mr. Jno. Hodgson, by Messrs. Wake, 1775.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk ...	6	0	0				Brought forward	7	3	0	13	1	10
Grey post, with							Grey girdles	2	3	0			
water ...	0	5	0				White post, with						
Grey metal ...	0	4	0				water ...	0	5	0			
COAL ...	0	0	4				Blue stone ...	1	5	0			
Grey metal ...	0	3	0				Whin ...	0	2	2			
Metal Coal Seam—							Blue stone ...	2	0	0			
COAL ...	0	2	2				White post: water						
				8	2	6	gone ...	1	0	0			
Grey thill ...	0	3	0				Grey post ...	0	3	0			
Grey metal ...	2	0	0				Black stone ..	1	0	0			
Grey post ...	0	3	0				Grey stone ...	1	0	0			
Grey metal ...	1	1	0				Black stone ...	0	3	0			
Black stone...	0	3	0				Grey stone ...	1	4	0			
COAL, with water	0	1	4				Yard Seam—						
				4	5	4	COAL ...	0	3	3			
Black slate ...	0	1	0								21	1	5
Grey stone ...	2	3	0				Black stone ...	0	0	7			
Grey metal ...	2	3	0				Blue grey stone	2	0	0			
Black metal...	0	2	0				White post: water						
Grey post ...	1	0	0				went away ...	1	3	0			
Brown post, with							White post ...	1	3	0			
water ...	1	0	0				Whin ...	0	2	6			
Carried forward	7	3	0	13	1	10	Carried forward	5	3	1	34	3	3

No. 2,873.—NEWCASTLE-UPON-TYNE.

TOWNSHIP OF NEWCASTLE-UPON-TYNE (ALL SAINTS WARD), NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat.

, Long.

Account of Strata passed through in a Bore-hole on Captain Stephenson's Estate, at the Foot of the Lane leading from the Quarry House to Gallowgate, and near the Spring Garden, Newcastle-upon-Tyne.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold	5	0	0				Brought forward	3	3	7	33	2	9
Box ...	1	0	0				Strong white post ...	3	0	0			
Grey post, with							Whin ...	0	2	6			
water ...	0	5	0				Open partings ...	0	0	4			
Grey metal ...	0	4	0				Strong white post ...	3	0	0			
<i>Metal Coal Seam—</i>							Whin ...	0	2	0			
COAL ...	0	4					Strong white post,						
Grey metal ...	3	0					mixed with whin...	7	2	11			
COAL ...	1	10					Grey stone ...	1	0	0			
							<i>Bensham Seam—</i>						
							COAL ...	1	7				
							Metal ...	0	3				
Grey thill ...	0	3	0				COAL, foul ...	1	3				
Grey metal ...	2	0	0				Slate, mixed						
Grey post ...	0	3	0				with coal	0	8				
Grey metal ...	1	1	0										
Black stone ...	0	3	0										
<i>Stone Coal Seam—</i>													
COAL, with water	0	1	5										
Black stone ...	0	1	0										
Grey stone ...	1	0	0										
Grey post, with													
water ...	0	3	0										
Grey stone ...	1	0	0										
Grey metal ...	2	3	0										
Black metal, mixed													
with coal ...	0	2	0										
Grey post ...	1	0	0										
Brown and greypost,													
with water ...	1	0	0										
Grey stone, with													
post girdles ...	2	3	0										
White post, with													
water ...	0	5	0										
Blue stone ...	0	5	0										
Whin ...	0	2	2										
Blue stone ...	2	0	0										
White post ...	1	3	0										
Black stone ...	1	0	0										
Grey stone ...	1	0	0										
Black stone ...	0	3	0										
Grey stone ...	1	4	2										
<i>Yard Coal Seam—</i>													
COAL ...	0	2	10										
Black stone, mixed													
with coal ...	0	0	7										
Grey stone ...	1	0	0										
Blue stone ...	1	0	0										
Brown and white													
post ...	1	3	0										
Carried forward	3	3	7	33	2	9	Total ...	82	0	8			

No. 2,874.—NEWFIELD.

TOWNSHIP OF NEWFIELD, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41' 33", Long. 1° 41' 24'.

*Account of Strata passed through in the No. 3 Bore-hole on Newfield Royalty,
situated close to the side of the River Wear and opposite the
Furness Mill, 1838.*

Approximate surface-level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	3	0				Brought forward				15	3	11
Sand ...	0	4	0				Strong grey thill ...	0	1	2½			
Gravel ...	1	0	0				Grey metal stone ...	0	1	2			
Strong blue clay ...	0	3	0				Grey metal ...	0	5	6			
				2	4	0	White post ...	2	1	0			
Brown post ...	1	5	9				Whin girdle...	0	1	4½			
Blue metal ...	0	4	11				White post, with						
COAL ...	0	0	2				water ...	1	3	8			
				2	4	10	Grey metal ...	0	3	0			
Grey metal stone ...	1	5	5				White post ...	1	3	5			
COAL, very bad ...	0	0	8				Grey metal ...	2	2	6			
				2	0	1	Black metal...	0	3	11			
Thill ...	0	2	7				COAL ...	0	0	8			
Grey metal stone ...	4	3	10								10	3	5
Whin girdle...	0	0	6				Soft grey thill ...	0	2	8			
White post ...	0	4	7				COAL ...	0	0	6			
Blue metal ...	0	0	9								0	3	2
Grey metal stone ...	1	1	2				Strong black thill ...	0	0	3			
Dark blue metal ...	0	1	5				Soft dark post ...	0	0	5			
COAL, strong and							White post ...	0	0	1			
good ...	0	4	2								0	0	9
				8	1	0							
Carried forward				15	3	11	Total ...				26	5	3

No. 2,875.—NEWFIELD.

TOWNSHIP OF NEWFIELD, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in a Bore-hole on the West side of the
Boundary of the Newfield Crag Estate, and near the Freestone
Quarry by the side of the River Wear.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Ruffy post ...	2	3	0				Brought forward	0	4	4	5	3	9
Dark metal stone ...	2	3	9				Brown post ...	3	4	4			
Five-Quarter or Busty							White post ...	3	3	0			
Seam—							COAL ...	0	1	2			
											8	0	10
COAL ...							Thill ...	0	1	6			
Band ...	0	1					White post ...	0	4	0			
COAL ...	2	3					Dark metal ...	0	5	6			
				0	3	0	COAL ...	0	0	6			
				5	3	9					1	5	6
Thill ...	0	4	4				Thill ...	0	1	0			
Carried forward	0	4	4	5	3	9	Carried forward	0	1	0	15	4	1

No. 2,875.—NEWFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	0	15	4	1	Brought forward	8	4	1	15	4	1
Grey metal stone, with strong post							<i>Brockwell Seam—</i>						
girdles ...	6	2	0				COAL ...	0	4	0			
Whin girdles...	0	2	0								9	2	1
White post ...	0	4	0				Strong dark thill ...	0	2	0			
Blue metal ...	1	1	1								0	2	0
Carried forward	8	4	1	15	4	1	Total ...				25	2	2

No. 2,876.—NEWSHAM.

TOWNSHIP OF NEWSHAM AND SOUTH BLYTH, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 6' 50", Long. 1° 29' 46".

Account of Strata passed through in the No. 1 Bore-hole on the Foreshore at Newsham.

Approximate surface-level 3 feet below sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	0	3	9				Brought forward	0	5	7	9	5	4
Clay ...	9	1	7				Post, into ...	0	0	3			
				9	5	4					0	5	10
Blue metal ...	0	5	7				Total ...				10	5	2
Carried forward	0	5	7	9	5	4							

No. 2,877.—NEWSHAM.

TOWNSHIP OF NEWSHAM AND SOUTH BLYTH, NORTHUMBERLAND.

Sheet 7° of Ordnance Map. Lat. 55° 6' 37", Long. 1° 29' 47".

Account of Strata passed through in the No. 2 Bore-hole on the Foreshore at Newsham.

Approximate surface-level 3 feet below sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	1	0	0				Brought forward				9	4	3
Clay ...	8	4	3				Strong post, into ...	0	1	0			
				9	4	3					0	1	0
Carried forward				9	4	3	Total ...				9	5	3

No. 2,878.—NEWSHAM.

TOWNSHIP OF NEWSHAM AND SOUTH BLYTH, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 6' 30", Long. 1° 29' 48".

Account of Strata passed through in the No. 3 Bore-hole on the Foreshore at Newsham.

Approximate surface-level 3 feet below sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	0	4	0				Brought forward				8	4	0
Clay ...	8	0	0				Blue metal, into ...	0	1	0			
				8	4	0					0	1	0
Carried forward				8	4	0	Total ...				8	5	0

No. 2,879.—NEWSHAM.

TOWNSHIP OF NEWSHAM AND SOUTH BLYTH, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 6' 18", Long. 1° 29' 43".

Account of Strata passed through in the No. 4 Bore-hole on the Foreshore at Newsham.

Approximate surface-level 5 feet below sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	0	4	6				Brought forward				7	0	6
Clay	6	2	0				Blue metal, into ...	0	1	6			
				7	0	6					0	1	6
Carried forward				7	0	6	Total				7	2	0

No. 2,880.—NEWTON-ON-THE-MOOR.

TOWNSHIP OF NEWTON-ON-THE-MOOR, NORTHUMBERLAND.

Sheet 38 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Newton-on-the-Moor.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	6	0	0				Brought forward	31	2	0	6	0	0
				6	0	0	Soft seggar-clay ...	0	2	6			
Red post	2	0	0				Blue metal	7	0	0			
Blue metal	15	0	0				Red stone	0	3	0			
Blue limestone ...	2	0	0				Grey metal	2	2	0			
Soft seggar-clay ...	0	2	0				Blue metal	2	5	0			
Grey metal	8	0	0				COAL	0	2	6			
Blue limestone ...	4	0	0								44	5	0
Carried forward	31	2	0	6	0	0	Total				50	5	0

No. 2,881.—NORTON.

TOWNSHIP OF NORTON, DURHAM.

Sheet 50 of Ordnance Map. Lat. 54° 35' 57", Long. 1° 19' 54".

Account of Strata passed through in the No. 1 Diamond Bore-hole on the White House Estate, near Norton, by Mr. John Vivian, 1889.

Approximate surface-level 40 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown sandy clay ...	1	2	0				Brought forward	8	4	0			
Blue clay	1	1	0				Stiff brown clay, with						
Red clay	1	4	0				stones	0	2	0			
Stiff brown clay ...	3	3	0				Stiff brown clay ...	2	2	0			
Muddy sand	0	2	0				Sand	0	1	0			
Brown sandy clay ...	0	2	0				Sandy clay	0	1	0			
Grey pinnel, with							Strong brown pinnel*	1	1	0			
stones*	0	2	0				Strong brown clay ...	0	1	0			
Carried forward	8	4	0				Carried forward	13	0	0			

No. 2,881.—NORTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	13	0	0				Brought forward	13	3	11	73	5	11
Strong pinnel, with cobble*	1	0	0				Blue shale and gyp- sum	0	3	0			
Brown pinnel*	0	1	0				Anhydrite	0	4	0			
Sand	0	0	6				Red and blue shale, with veins of gyp- sum	0	5	0			
Dark gravelly pinnel*	0	2	0				Anhydrite	0	1	0			
Grey pinnel, with cobble*	0	2	0				Red and blue shale... ..	0	2	7			
Brown pinnel*	0	2	10				Anhydrite, lime- stone and red shale, mixed	0	2	9			
Sandstone	0	0	4				Anhydrite, with brown shale joints	3	3	5			
Dark brown pinnel*	2	1	4				Anhydrite	1	4	0			
Dark red pinnel, with sandstone cobbles*	0	1	6				Anhydrite, with black shale joints	0	2	5			
Grey pinnel*	1	1	0				Limestone	2	1	11			
Dark red pinnel*	0	0	6				Anhydrite, with veins of gypsum... ..	1	1	0			
				19	1	0	Anhydrite	2	2	3			
<i>Red Sandstones and Marls:</i>							Anhydrite, contain- ing gypsum	2	3	10			
Red sandstone	3	1	0				Blue marl	1	2	0			
Red sandy marl	1	3	0				Anhydrite, with gypsum	0	1	6			
Red marl	0	1	7				Red marl, with veins of gypsum... ..	1	1	7			
Red sandstone	1	3	4				Anhydrite, with gypsum	0	2	0			
Red sandy marl	0	2	0				Red marl, with gyp- sum	1	5	8			
Red sandstone	0	4	2				Red and blue marl, with gypsum	1	2	6			
Red marl	3	4	0				Anhydrite, contain- ing spar	0	2	2			
Red sandstone	1	1	8				Limestone, contain- ing spar	1	2	10			
Red marl	3	3	7				Red and blue marl... ..	0	4	3			
Red marl, with blue joints	2	1	8				Red sandy gritstone	0	3	4			
Red marl	6	5	0				Red and blue marl... ..	1	0	3			
				25	1	0	Limestone, broken... ..	8	1	10			
<i>Lower Gypseous Marls:</i>							Grey gritstone	0	4	9			
Red marl, with veins of gypsum	1	2	3				Grey sandstone	0	1	0			
Red marl	1	4	0				Limestone, broken... ..	1	0	0			
Red marl, with veins of gypsum... ..	2	0	5				Limestone				52	4	9
Red marl	3	4	2										
Red marl, with veins of gypsum... ..	12	5	2				<i>Carboniferous Measures:</i>						
				21	4	0	Dark blue shale	0	5	2			
<i>Saliferous Beds:</i>							Light grey sand- stone	1	2	2			
Anhydrite	1	4	0				Dark sandy shale	1	0	0			
Red marl, with veins of gypsum... ..	2	5	2				Light grey sand- stone	1	1	3			
Anhydrite	2	5	9				Dark sandy shale	1	3	9			
Gypsum	0	3	0				Dark shale	2	4	5			
				7	5	11	White sandstone	0	4	0			
<i>Magnesian Limestone and Lower Red Sandstone:</i>							Light grey sand- stone	1	1	2			
Limestone, with veins of gypsum	2	1	8										
Limestone	9	1	4										
Blue shale, with veins of gypsum... ..	1	5	11										
Dark limestone and gypsum	0	1	0										
Carried forward	13	3	11	73	5	11	Carried forward	10	3	11	126	4	8

No. 2,881.—NORTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	3	11	126	4	8	Brought forward	33	5	8	126	4	8
Coarse light grey sandstone ...	0	3	11				Dark grey sandstone and black shale, mixed ...	2	1	0			
Dark shale ...	0	2	0				Coarse light grey sandstone ...	3	0	0			
Black shale, with bands and balls of ironstone ...	3	5	7				Dark grey sandy shale ...	0	2	8			
Black shale, with balls of ironstone...	1	2	3				Black shale, with iron nodules ...	0	3	4			
Black shale ...	1	4	8				Dark grey sandy shale ...	0	1	3			
Black shale, with veins of gypsum ...	0	4	0				Black shale, with iron nodules ...	0	5	3			
Dark grey limestone...	0	3	7				Dark grey sandy shale ...	0	3	0			
Black shale ...	2	1	6				Black shale, with dark limestone balls	2	4	0			
Grey limestone ...	0	5	11				Grey limestone ...	1	4	4			
Dark limestone ...	0	5	11				Black shale ...	0	1	1			
Dark limestone, very jointy ...	1	0	8				Blue shale ...	0	5	8			
Dark limestone ...	0	3	0				Grey sandy shale ...	1	1	6			
Dark grey sandy shale ...	1	4	0				Dark grey sandy shale, with veins of spar ...	3	0	0			
Black shale ...	2	4	9				Dark grey sandy shale ...	1	3	0			
Grey sandstone ...	0	3	0				Black shale ...	0	1	1			
Black shale ...	1	1	6								53	0	10
Grey sandstone ...	0	3	0										
Black shale ...	1	2	0										
Dark grey sandstone, with black joints ...	0	0	6										
Carried forward	33	5	8	126	4	8	Total ...				179	5	6

* Pinnel is coarse clayey gravel.

No. 2,882.—NORTON.

TOWNSHIP OF NORTON, DURHAM.

Sheet 50 of Ordnance Map. Lat. $54^{\circ} 36' 3''$, Long. $1^{\circ} 20' 5''$.*Account of Strata passed through in the No. 2 Diamond Bore-hole on the White House Estate, near Norton.*

Approximate surface-level 110 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	16	1	10			
Red sandy clay ...	0	4	0				Brown pinnel*	0	5	10			
Blue clay ...	2	3	2				Grey sandstone ...	0	0	3			
Sand ...	0	1	4				Brown pinnel*	1	4	11			
Sand and gravel ...	0	1	6				Grey loamy sand ...	0	2	0			
Sand ...	0	5	1				Dark brown pinnel*	0	2	11			
Red clay ...	2	3	5				Dark brown pinnel and cobbles*	2	2	9			
Dark brown sandy clay ...	5	0	3								22	2	6
Soft brown clay, mixed with sand...	0	4	0				Red Sandstones and Marls:						
Brown pinnel*	2	4	1				Red sandstone ...	4	0	8			
Red loamy sand ...	0	4	0				Red marl ...	0	1	0			
Carried forward	16	1	10				Carried forward	4	1	8	22	2	6

No. 2,882.—NORTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	1	8	22	2	6	Brought forward	13	3	8	48	3	6
Red sandstone ...	3	5	10				Red marl, with blue joints ...	1	5	0			
Red marl ...	2	2	7				Red marl, with blue spots ...	2	5	1			
Red sandstone ...	1	3	2				Red sandy marl ...	1	4	7			
Red marl ...	1	1	0				Red marl, with veins of gypsum...	1	0	0			
Red sandstone ...	0	3	6								21	0	4
Red sandy marl ...	6	4	0				<i>Saliferous Beds:</i>						
Red sandstone ...	0	5	6				Anhydrite ...	1	0	3			
Red sandy marl ...	1	0	6				Red marl, with blue spots and gypsum	0	3	0			
Red marly sandstone	3	3	3				Red marl, with gypsum (compact)	2	4	8			
				26	1	0	Anhydrite ...	3	2	6			
<i>Lower Gypseous Marls:</i>											7	4	5
Red marl, with gypsum and bluejoints	0	1	7				<i>Magnesian Limestone and Lower Red Sandstone:</i>						
Red marl, with blue joints and gypsum	1	0	0				Limestone ...	9	1	9			
Red marl, with veins of gypsum ...	2	1	8								9	1	9
Red marl, with blue joints and gypsum	1	5	0										
Red marl, with veins of gypsum ...	8	1	5										
Carried forward	13	3	8	48	3	6	Total ...				86	4	0

* Pinnel is coarse clayey gravel.

No. 2,883.—NORTON.

TOWNSHIP OF NORTON, DURHAM.

Sheet 50 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Norton Brewery, by Mr. William Coulson, 1876.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black sand, damp ...	0	4	10				Brought forward				15	5	2
Light coloured sand, with water ...	0	2	0				Hard red sandstone, with water ...	4	1	0			
Loamy clay ...	5	2	6				Red sandstone, with metal partings and water ...	2	3	6			
Dark brown clay, with thin partings	1	0	6				Soft red metal ...	1	0	0			
Dark coloured sand, with water ...	1	4	0				Hard red sandstone, with water ...	5	5	6			
Brown stony clay ...	3	2	4				Soft red metal, with strong sandstone partings ...	1	4	6			
Loamy sand, with water ...	0	3	0				Hard red sandstone, with water ...	1	5	4			
Dark brown stony clay ...	2	0	0								17	1	10
Yellow freestone, with water ...	0	2	6										
Rough gravel and sand, with water...	0	1	6										
				15	5	2							
Carried forward				15	5	2	Total ...				33	1	0

No. 2,884.—OSMONDCROFT.

TOWNSHIP OF WINSTON, DURHAM.

Sheet 53 of Ordnance Map. Lat. $54^{\circ} 32' 35''$, Long. $1^{\circ} 48' 2''$.*Account of Strata sunk through at Osmondcroft, 1875.*

Approximate surface-level 490 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Earth, with <i>limestone</i>							Brought forward	16	2	1	3	0	0
boulders ...	3	0	0				Grey metal ...	2	4	11			
				3	0	0	COAL ...	0	3	9			
Grey metal ...	1	1	3								19	4	9
Soft freestone, with							Soft laminated black						
metal partings ...	4	0	9				shale ...	0	0	9			
Grey metal ...	10	4	0				Very hard gannister	0	1	3			
Iron girdle ...	0	0	2				Soft gannister ...	0	1	3½			
Grey metal ...	0	1	2				Hardish gannister ...	0	3	2½			
Iron girdle ...	0	0	2				Grey post ...	0	2	6			
Grey metal ...	0	0	5								1	3	0
Iron girdle ...	0	0	2										
Carried forward	16	2	1	3	0	0	Total ...				24	1	9

No. 2,885.—OUSEBURN.

TOWNSHIP OF NEWCASTLE-UPON-TYNE (ALL SAINTS WARD), NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole at the Ouseburn, near the Glass House Bridge, by Mr. William Coulson, 1875.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Ashes ...	0	2	0				Brought forward	0	0	6	3	2	9
Sand ...	1	2	6				Soft blue clay, with						
Gravel, with water...	0	3	6				pieces of wood ...	4	0	9			
Dark sandy clay ...	1	0	9				Broken freestone ...	0	4	6			
				3	2	9					4	5	9
Freestone ...	0	0	6				Total ...				8	2	6
Carried forward	0	0	6	3	2	9							

No. 2,886.—OUSTON.

TOWNSHIP OF OUSTON, DURHAM.

Sheet 13 of Ordnance Map. Lat. $54^{\circ} 53' 14''$, Long. $1^{\circ} 35' 9''$.*Account of Strata sunk through in the Ouston E Pit, near Birtley, July 19th, 1888.*

Approximate surface-level 105 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ...	0	1	3				Brought forward	11	0	3			
Yellow clay ...	0	3	0				Strong clay, with						
Blue clay, with sandy							small gravel ...	1	0	0			
beds ...	1	2	0				Extra strong clay,						
Clean blue clay ...	6	0	0				with large boulders	4	1	0			
Loamy clay ...	3	0	0				Fine sand ...	1	4	6			
Carried forward	11	0	3				Carried forward	17	5	9			

No. 2,886.—OUSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	17	5	9				Brought forward	3	3	3	53	3	9
Strong blue clay ...	0	1	3				Blue metal ...	0	4	6			
Sandy rough gravel	1	4	0				COAL , shaly ...	0	0	9			
				19	5	0					4	2	6
Soft shaly blue metal	1	3	0				Seggar-clay ...	0	1	0			
White post ...	3	2	6				Post girdle ...	0	0	3			
COAL ...	0	1	6				Strong blue metal ...	0	5	0			
				5	1	0	COAL ...	0	0	9			
Seggar-clay ...	0	3	0								1	1	0
Blue metal, with post							Seggar-clay ...	0	4	0			
girdles ...	4	0	0				Post girdle ...	0	3	0			
Strong white post ...	0	5	6				Blue metal, with iron						
Grey metal, with post							balls ...	0	5	0			
girdles ...	1	0	6				Grey metal ...	2	2	0			
Strong white post ...	3	5	0				COAL ...	0	0	2			
Blue metal ...	0	5	0								4	2	2
Strong post girdle ...	0	1	0				Strong posty seggar-						
Blue metal ...	0	4	6				clay ...	0	4	0			
<i>Hutton Seam</i> —							Grey metal, with iron						
COAL ...	4	6					balls ...	1	3	0			
COAL , coarse	0	6					White post ...	1	4	0			
				0	5	0	COAL ...	0	0	10			
				12	5	6					3	5	10
Black shale ...	0	0	6				Dark shaly seggar-						
Seggar-clay ...	0	2	6				clay ...	0	1	0			
Post girdle ...	0	1	0				Grey post ...	0	3	0			
Strong white post ...	1	3	9				Grey metal, with thin						
Blue metal ...	0	2	0				posty bands ...	0	3	0			
COAL ...	0	0	1				COAL ..	0	1	8			
				2	3	10					1	2	8
Seggar-clay ...	0	2	8				Seggar-clay ...	0	5	0			
Blue metal, with iron							Grey metal, with thin						
girdles ...	1	0	0				post bands ...	0	4	0			
Strong grey metal,							White post ...	1	2	3			
with post girdles...	3	0	0				Grey metal, with iron						
COAL , coarse ...	0	0	6				girdles ...	1	3	0			
				4	3	2	Seggar-clay and post,						
Grey metal ...	0	5	8				mixed ...	1	1	6			
Hard whin girdle ...	0	1	4				Grey metal ...	0	3	6			
Blue metal ...	0	3	2				Grey post ...	0	4	6			
COAL ...	0	0	10				Strong grey metal,						
				1	5	0	with thin post						
Seggar-clay, very							girdles ...	1	2	8			
posty ...	0	2	9				Blue metal ...	0	4	2			
Strong post girdle ...	0	1	3				<i>Busty Seam</i> —						
Grey metal ...	0	0	3				COAL ...	2	7				
White post ...	0	4	0				Band ...	0	1 $\frac{3}{4}$				
Dark grey post ...	0	3	9				COAL ...	0	2 $\frac{3}{4}$				
Close brown whin ...	0	2	9				Band ...	0	11				
White flaggy post ...	1	3	9				COAL ...	1	7 $\frac{1}{2}$				
Grey metal ...	1	0	0								0	5	6
Blue metal ...	1	3	7								10	0	1
COAL ...	0	0	2										
				6	4	3	Posty seggar-clay ...	0	2	8			
Seggar-clay ...	0	2	3				White post ...	2	3	4			
Strong grey metal,							Grey metal ...	0	0	2			
with post girdles...	1	0	0				Very strong white						
White post ...	1	5	0				post ...	1	5	4			
Whin girdle...	0	2	0								4	5	6
Carried forward	3	3	3	53	3	9	Total ...				83	5	6

No. 2,887.—OUSTON.

TOWNSHIP OF OUSTON, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 14", Long. 1° 35' 2".

Account of Strata sunk through below the Busty Seam in the Upcast Shaft of the Ouston E Pit, situated 130 yards East of the Downcast Shaft, 1896.

Approximate surface-level 105 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Coarse seggar-clay ...	0	2	2				Brought forward	2	4	3	7	5	0
White post ...	5	3	0				Grey metal ...	0	2	3			
Grey post ...	1	1	7				Blue metal ...	0	4	0			
Blue metal ...	0	3	6				Supposed Brockwell						
Supposed Three-							Seam—						
Quarter Seam—							COAL ...	0	1	6			
COAL ...	0	0	9								4	0	0
				7	5	0	Seggar-clay ...	0	2	9			
Coarse seggar-clay ...	0	2	6								0	2	9
Grey post ...	2	1	9										
Carried forward	2	4	3	7	5	0	Total ...				12	1	9

NOTE: This is within 10 yards of the 10 fathoms Rise North Trouble.

No. 2,888.—OVINGHAM.

TOWNSHIP OF OVINGHAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 58' 9", Long. 1° 51' 53".

Account of Strata passed through in a Bore-hole for the Horsley Coal Company, on the West side of Garden House, at Ovingham, 1877.

Approximate surface-level 70 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	0	4	0				Brought forward	1	4	11	8	4	1
Strong blue clay ...	5	1	0				Post girdle ...	0	0	10			
				5	5	0	White post ...	0	0	10			
Grey freestone ...	0	0	8				Grey metal ...	0	1	2			
Whin girdle ...	0	0	5				Blue metal ...	0	0	2			
Grey post ...	0	0	9				Grey post ...	0	3	0			
Soft freestone ...	0	5	5				Blue metal ...	1	4	4			
Grey metal ...	0	1	3										
Grey post ...	0	2	0				COAL ...	1	10				
Soft freestone ...	0	1	3				Seggar-clay ...	0	6				
Post girdle ...	0	0	10				Grey post ...	1	6				
Grey metal ...	0	1	0				COAL ...	1	2				
Blue metal ...	0	0	9								0	5	0
Post girdle ...	0	0	2										
Blue metal ...	0	1	7				Black metal ...	0	1	0			
COAL ...	0	1	0				Dark grey metal ...	0	1	11			
				2	5	1	Post girdle ...	0	0	7			
Seggar-clay ...	1	4	11				Grey metal ...	0	1	8			
Carried forward	1	4	11	8	4	1	Carried forward	0	5	2	14	0	4

No. 2,888.—OVINGHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	5	2	14	0	4	Brought forward	6	1	1	20	4	9
Post girdle ...	0	0	2				COAL ...	0	0	6			
Grey metal ...	0	2	11								6	1	7
Strong grey post ...	0	0	9				Seggar-clay ...	0	1	1			
Grey metal ...	0	4	7				Grey post ...	0	0	4			
Blue metal ...	0	0	9				White post ...	0	0	8			
COAL ...	0	1	3				Grey post ...	1	4	0			
				2	3	7	Blue metal ...	0	4	10			
Seggar-clay ...	0	1	2				Post ...	3	2	0			
Post ...	0	2	5				Grey metal ...	0	1	7			
Grey metal ...	3	2	11				White post ...	2	4	11			
COAL ...	0	0	4				Whin ...	0	3	9			
				4	0	10	Strong grey post ...	0	0	6			
Grey metal ...	0	0	8				White post ...	3	1	0			
Post ...	0	2	10				Grey metal ...	0	4	11			
Grey metal ...	0	3	0				Blue metal ...	1	2	9			
Post girdle ...	0	0	8				Post girdle ...	0	0	6			
Grey metal ...	0	0	4				Blue metal ...	0	5	5			
Post ...	0	1	3				Iron girdle ...	0	0	3			
Grey metal ...	0	1	5				Blue metal ...	0	4	2			
Post girdle ...	0	0	6										
Grey metal ...	0	0	11				COAL, splint	Ft. In.					
Post ...	1	0	7					0	3				
Blue metal ...	0	2	11				Black band,						
Post girdle ...	0	0	3				mixed with						
Grey metal ...	0	2	5				coal ...	1	3				
Blue metal ...	1	0	6				COAL, splint	Ft. In.					
Iron girdle ...	0	0	2					1	5				
Blue metal ...	0	1	9							0	2	11	
Post girdle ...	0	0	8										
Blue metal ...	0	1	4								17	3	7
Strong grey post ...	0	0	11				Post girdle ...	0	0	4			
Blue metal ...	0	0	3				Grey metal ...	0	1	8			
Grey metal ...	0	1	9				Post girdle ...	0	0	4			
							Grey metal ...	0	0	9			
											0	3	1
Carried forward	6	1	1	20	4	9	Total ...				45	1	0

No. 2,889.—OVINGHAM.

TOWNSHIP OF OVINGHAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 58' 18", Long. 1° 51' 26".

Account of Strata passed through in a Bore-hole on the North side of the River Tyne, for the Horsley Coal Company, by Messrs. William Coulson and Son. Commenced August 19th, 1878.

Approximate surface-level 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	3	0				Brought forward	2	1	0			
Yellow clay ...	0	2	0				Sand and gravel,						
Rough freestone							with water ...	1	0	0			
gravel ...	1	2	0				Strong dark grey						
							clay and freestone	1	5	6			
Carried forward	2	1	0				Carried forward	5	0	6			

No. 2,889.—OVINGHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	0	6				Brought forward	22	1	5½			
Freestone boulders...	0	2	2				Black shale ...	0	0	1½			
Hard strong brown clay ...	2	5	0				Grey shale ...	0	0	9½			
				8	1	8	Very dark grey shale	0	0	4			
Grey shale, with post girdles ...	1	2	9				Dark grey shale, with scares of coal	0	0	4½			
Black shale ...	0	0	8				Strong grey shale ...	0	1	11			
COAL ...	0	0	8				Strong grey post ...	0	4	0			
				1	4	1	Hard white post, with water	1	5	10			
Seggar-clay ...	0	4	8				Strong grey shale, with thin post girdles	2	0	11			
Strong grey shale ...	0	5	3				Hard white post ...	0	4	1			
Grey shale, with thin post girdles ...	2	0	3				Strong grey shale ...	0	1	8			
COAL ...	0	9					Soft black shale ...	0	0	3			
Splint band ...	0	1					COAL ...	0	0	3			
COAL ...	0	9									6	2	6½
	0	1	7				Strong light grey shale	0	3	4			
				3	5	9	Strong grey post, with soft partings and water	1	3	8			
Grey shale thill ...	0	1	2				Very hard white post, with soft partings and water	3	2	2			
Strong grey shale, with water	0	3	11				Strong grey post, with soft partings and water	2	3	0			
White post, with much water, which rose 18 feet	0	1	0				Strong dark grey shale, with water...	1	1	2			
Black shale, with scares of coal	0	2					Very soft grey shale parting	0	0	4			
COAL, with slatepartings	0	7					Strong grey shale	0	5	2			
Dark brown shale, with much coal	0	9					Hard white post	0	5	11			
	0	1	6				Gullet, with large feeder of water	0	0	3			
				1	1	7	Very hard white post	2	1	10			
Dark grey shale, with ironstone girdles	2	2	2				Very soft grey shale, with a 4 inches gullet	0	2	0			
COAL, coarse, with much dant and splint	0	0	9				Strong grey shale, with water...	2	1	0			
Light grey thill	0	1	10				Dark grey shale	0	3	4			
Strong grey post, with thin partings	1	0	3				Black shale	0	1	11			
Hard white post, with water	3	0	1				Strong grey shale, with post girdles...	0	3	7			
Dark grey shale	0	0	4				Grey post	1	3	0			
COAL, coarse, with much dant near bottom	0	0	11½				Hard grey post, with gullets and pyrites, and much water	0	5	4			
				7	0	4½					19	5	0
Carried forward				22	1	5½	Total ...				48	3	0

No. 2,890.—OVINGHAM.

TOWNSHIP OF OVINGHAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 58' 17", Long. 1° 51' 30".

Account of Strata passed through in the No. 5 Bore-hole, situated in the South-west corner of the West Bank Field, for the Horsley Coal Company, by Messrs. William Coulson and Son, 1878.

Approximate surface-level 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward				8	4	9
Freestone gravel,							Yellow freestone ...	0	3	6			
sand and clay ...	0	4	0				Black shale ...	0	0	6			
Leafy blue clay ...	0	1	6				COAL , cancell, coarse						
Red sand, with a							at top ...	0	2	0			
little water ...	0	3	9								1	0	0
Hard stony brown							Seggar-clay ...	0	2	1			
clay ...	4	4	0				Dark grey shale,						
Freestone ...	0	1	3				with post girdles...	0	3	6			
Hard stony brown							Light grey shale ...	1	1	3			
clay ...	2	0	9				Hard white post ...	0	0	5			
											2	1	3
Carried forward				8	4	9	Total ...				12	0	0

No. 2,891.—OXCLOSE.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 53", Long. 1° 32' 21".

Account of Strata sunk through in the Oxclose Engine or B Pit.—Supplementary to No. 1,503.

Approximate surface-level 220 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface	68	0	0				Brought forward				78	4	8
<i>Main Coal Seam—</i>							Strata ...	12	0	0			
COAL , top	2	2					<i>Low Main Seam—</i>						
Band ...	0	3					COAL , coarse						
COAL , kirv-							brassy ...	0	4				
ing ...	1	2					COAL ...	3	0				
Band ...	0	1									0	3	4
COAL , good	2	4									12	3	4
				1	0	0	Strata ...	9	0	0			
Strata ...	9	0	0				<i>Hutton Seam—</i>						
<i>Maudlin Seam—</i>							COAL , good	3	9				
COAL , top	3	4					COAL , bot-	0	10				
COAL , splint	0	6					tom coarse				0	4	7
COAL , bot-											9	4	7
tom ...	0	10											
				0	4	8							
Carried forward				78	4	8	Total ...				101	0	7

No. 2,892.—PALLION.

TOWNSHIP OF PALLION, SUNDERLAND, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in the No. 1 Bore-hole on the bank of the River Wear, near Messrs. Paynter's Works, 1895.

Approximate surface-level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	1	3	0				Brought forward	7	3	9			
Gravel and sand ...	1	0	0				Rough sandstone						
Running sand ...	5	0	9				gravel ...	0	4	3			
											8	2	0
Carried forward	7	3	9				Total ...				8	2	0

No. 2,893.—PALLION.

TOWNSHIP OF PALLION, SUNDERLAND, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in the No. 3 Bore-hole on the bank of the River Wear, near Messrs. Paynter's Works.

Approximate surface-level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	3	1	6				Brought forward	7	5	6			
Rough gravel and black mud...	1	4	0				Yellow sand, with water at bottom...	1	4	0			
Running sand, with rotten wood and water ...	2	0	0								9	3	6
Loamy sand ...	1	0	0				Grey post ...	0	4	6			
							Yellow sandstone ...	1	2	0			
Carried forward	7	5	6								2	0	6
							Total ...				11	4	0

No. 2,894.—PELTON.

TOWNSHIP OF PELTON, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 39", Long. 1° 36' 32".

Account of Strata passed through in a Bore-hole below the Busty Seam, Busty Pit, Pelton Colliery, 1893.

Approximate surface-level 220 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Pit dirt and seggar-clay ...	0	0	9				Brought forward	9	2	11			
White post ...	7	5	4				White post ...	1	1	7			
Grey shale ...	0	3	9				Grey shale, with post girdles ...	1	4	0			
Black shale, mixed with coal ...	0	1	1				COAL ...	0	0	4			
Grey shale ...	0	4	0								12	2	10
Carried forward	9	2	11				Soft seggar-clay ...	0	1	3			
							Carried forward	0	1	3	12	2	10

No. 2,894.—PELTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	3	12	2	10	Brought forward	3	5	6	16	4	5
Grey shale ...	0	5	0				COAL ...	0	0	5	1		
White and grey post	2	5	0								3	5	11
Grey shale ...	0	1	3				Black stone...	0	0	7			
Supposed <i>Brockwell</i>							White post ...	2	1	6			
<i>Seam—</i>							Grey post, with hard						
COAL ...	0	1	1				girdles ...	7	1	0			
				4	1	7					9	3	1
Grey post ...	3	5	6				Total ...				30	1	6
Carried forward	3	5	6	16	4	5							

No. 2,895.—PELTON.

TOWNSHIP OF PELTON, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 37", Long. 1° 36' 36".

Account of Strata passed through in a Bore-hole in a Field to the West of Pelton Cottage, on the site of the Main Coal Pit, Pelton Colliery, 1899.

Approximate surface-level 233 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dark soil ...	0	1	2				Brought forward	13	0	0	2	2	3
Dry sand ...	0	4	6				<i>Five-Quarter Seam—</i>						
Sand, gravel and clay	0	1	4				COAL and black						
Sand, with a little							stone ...	0	5	0			
water ...	0	2	2								13	5	0
Boulder-clay ...	0	3	4				Light grey metal or						
Loamy stony clay,				2	2	3	seggar-clay ...	1	4	0			
with water...	0	1	9				Post and metal,						
							mixed ...	0	3	6			
Soft grey metal,							Grey post ...	0	2	9			
mixed with free-							Grey metal, mixed						
stone ...	1	1	9				with freestone,						
Freestone ramble,							with iron and post						
mixed with grey							girdles ...	4	1	6			
metal ...	0	3	0				Grey metal, with						
Dark grey metal,							iron and post gir-						
with post girdles...	1	0	7				dles ...	2	3	8			
Light grey metal,							Black shale ...	0	1	1			
with post girdles...	4	1	2				<i>Main Coal Seam—</i>						
Grey metal, with iron							COAL and black						
and post girdles ...	1	5	3				stone ...	0	4	7			
Leafy post: lost											10	3	1
water at 11 fathoms							Iron girdle ...	0	0	8			
5 feet 9 inches ...	0	5	3								0	0	8
Iron girdle ...	0	0	4				Total ...				26	5	0
Dark grey metal,													
with post girdles...	3	0	8										
Carried forward	13	0	0	2	2	3							

No. 2,896.—PLAINMELLER.

TOWNSHIP OF PLAINMELLER, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole, Plainmeller Colliery, 1845.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay	3	2	6					Brought forward	1	3	0	4	4	2
				3	2	6		Coom or soft blue						
Plate	0	5	8					plate	0	1	6			
COAL	0	2	0					Coom Roof Seam—						
				1	1	8		COAL	0	3	7			
Plate	0	3	8									2	2	1
Grey beds ...	0	5	4											
Carried forward	1	3	0	4	4	2		Total			7	0	3	

No. 2,897.—PLAINMELLER.

TOWNSHIP OF PLAINMELLER, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 3 Bore-hole, Plainmeller Colliery, 1845.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss	2	0	0				Brought forward	0	2	0	6	1	6
				2	0	0	Hard grey post ...	8	4	6			
Grey freestone	3	0	0				Spars	0	1	0			
Blue stone ...	0	5	0				Blue stone ...	0	1	0			
COAL	0	2	6				Black stone...	0	2	0			
				4	1	6	COAL	0	4	0			
Thill stone ...	0	2	0								10	2	6
Carried forward	0	2	0	6	1	6	Total				16	4	0

No. 2,898.—PLAINMELLER.

TOWNSHIP OF PLAINMELLER, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Engine Pit, Plainmeller Colliery.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Walling	2	0	0				Brought forward	8	4	0			
White freestone ...	2	2	0				COAL	0	2	0			
Grey beds	0	4	0								9	0	0
Black plate	1	3	0				Plate, with balls of						
Coom or light blue							ironstone	2	4	6			
plate	1	3	0				<i>Seven-Quarter Seam—</i>						
Black plate	0	4	0				COAL	0	4	6			
											3	3	0
Carried forward	8	4	0				Total				12	3	0

NOTE: This pit was worked out and the pumps drawn on December 13th, 1856.

No. 2,899.—PLAINMELLER.

TOWNSHIP OF PLAINMELLER, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. 54° 56' 22", Long. 2° 24' 20".

Account of Strata sunk through at Plainmeller Colliery, by Mr. George Reed, 1858.

Approximate surface-level 1,000 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Moss ... ..	...	0	4	6			Brought forward	4	2	6	5	0	10
Clay ... ..	...	0	4	6			COAL	0	1	10			
COAL ... ..	...	0	0	3							4	4	4
					1	3	3	Grey beds	2	0	4		
Soft plate	0	1	9				COAL	0	1	7			
Jointy brown free-											2	1	11
stone, with water	0	5	0				Thill stone or plate	0	3	9			
Plate and grey beds	0	3	0				Grey beds, with						
Sand	0	0	8				metal partings and						
Plate and grey beds	1	0	2				water	2	2	3			
Coom or blue plate	0	3	0				Coom or soft blue						
COAL	0	2	0				plate	0	1	8			
				3	3	7	COAL	0	3	8			
Plate or fire-clay ...	0	5	4								3	5	4
Dark grey beds,							Thill	0	1	7			
with water	3	3	2				Strong grey beds ...	0	3	0			
											0	4	7
Carried forward	4	2	6	5	0	10	Total				16	5	0

No. 2,900.—PLAINMELLER.

TOWNSHIP OF PLAINMELLER, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. 54° 57' 31", Long. 2° 27' 33".

Account of Strata passed through in a Bore-hole at West Plainmeller.

Approximate surface-level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel	1	5	6			Brought forward	28	5	0	4	0	11
Boulder stone	0	1	0			Shaly sandstone ...	14	0	3			
Sandstone	0	1	6			Sandstone	0	4	8			
Gravel	0	4	11			Limestone	0	2	0			
Soft shale	0	5	5			Sandstone	1	1	6			
COAL	0	0	7			Shale	2	0	8			
				4	0	11							
Sandstone	4	2	5			COAL , good... ..						
Limestone	2	0	2			COAL , inferior	0	9				
Sandstone	0	1	6							0	1	7
Shale	0	0	7							47	3	8
Sandstone	7	2	6			Soft dark shale ...	0	2	8			
Shale	1	4	11			Dark sandstone ...	0	1	0			
Sandstone	4	2	6			Dark shale	0	2	5			
Shale	0	4	8			Shale	0	3	6			
Sandstone	2	1	10			COAL	0	0	3			
Shaly sandstone	2	3	4							1	3	10
Sandstone	2	4	7			Shale	0	1	0			
Carried forward	28	5	0	4	0	11	Carried forward	0	1	0	53	2	5

No. 2,900.—PLAINMELLER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	0	53	2	5	Brought forward	25	4	6	76	1	0
Seggar-clay ...	1	0	6				Sandstone, with bands						
Sandstone ...	8	3	1				of shale ...	1	5	11			
Shale ...	0	5	0				Shaly sandstone ...	0	1	3			
Shale and iron, with							Sandstone, with bands						
band ...	2	0	0				of shale ...	0	3	6			
Shale ...	1	3	9				Shaly sandstone ...	2	2	10			
Sandstone ...	1	1	3				Shale ...	0	3	0			
Shaly sandstone ...	0	4	5				Shaly sandstone ...	0	0	9			
Soft shale ...	0	0	7				Limestone ...	0	2	6			
COAL ...	0	0	10				Hard sandstone ...	0	1	3			
				16	2	5	Sandstone ...	7	3	0			
Sandstone ...	0	0	3				Sandstone, with bands						
Seggar-clay ...	0	1	3				of shale ...	4	1	6			
Shaly sandstone ...	1	0	8				Strong shale ...	2	5	0			
Grey and white sand-							Sparry shale ...	1	4	0			
stone ...	1	4	1				Little Limestone—						
Sandstone ...	1	3	11										
Sandstone, with coal													
pipes and lead-ore	1	4	0										
				6	2	2							
Shaly sandstone ...	0	3	2										
Dark sandstone ...	1	5	4										
Fine sand ...	0	0	6										
Shaly sandstone ...	0	0	6										
Sandstone ...	6	4	6										
Light sandstone ...	0	3	6										
Dark sandstone ...	1	4	6										
Hard sandstone ...	2	0	0										
Sandstone ...	3	5	6										
Shaly sandstone ...	2	1	6										
Broken sandstone ...	1	4	0										
Hard sandstone ...	0	1	9										
Limestone ...	0	2	3										
Dark sandstone ...	1	1	0										
Limestone ...	0	1	9										
Dark sandstone ...	1	2	3										
Shale ...	0	4	6										
Carried forward	25	4	6	76	1	0							

No. 2,901.—PLASHETTS.

TOWNSHIP OF PLASHETTS, NORTHUMBERLAND.

Sheet 40 of Ordnance Map. Lat. 55° 17' 20", Long. 2° 35' 34".

Account of Strata passed through in the No. 27 Bore-hole on Peel Fell.

Approximate surface-level 1,820 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Peaty soil ...	0	0	6				Brought forward				2	2	4
Yellow clay ...	0	2	6				Strong freestone ...	0	1	2			
Blue clay, with							Freestone, with part-						
tumbling freestones	0	3	10				ings ...	0	3	0			
Clay, mixed with											0	4	2
gravel ...	1	1	6										
				2	2	4							
Carried forward				2	2	4	Total ...				3	0	6

No. 2,902.—PLASHETTS.

TOWNSHIP OF PLASHETTS, NORTHUMBERLAND.

Sheet 40 of Ordnance Map. Lat. 55° 18' 20", Long. 2° 33' 45".

Account of Strata passed through in the No. 28 Bore-hole on Carter Fell.
 Approximate surface-level 1,500 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Peaty soil	0	2	0			Brought forward	...	0	3	6	1	2	0
Yellow sand	0	1	0			Strong freestone	...	1	3	4			
Red clay	0	5	0			Freestone	...	5	1	1			
						1	2	0	Strong red clay	...	0	3	5		
Fire-stone, with part-ings	0	3	6			Freestone	...	0	5	6			
													8	4	10
Carried forward			0	3	6	1	2	0	Total	...	...	10	0	10	

No. 2,903.—PLASHETTS.

TOWNSHIP OF PLASHETTS, NORTHUMBERLAND.

Sheet 40 of Ordnance Map. Lat. 55° 19' 3", Long. 2° 33' 24".

Account of Strata passed through in the No. 29 Bore-hole on Carter Fell.
 Approximate surface-level 1,520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Peaty soil ...	...	0	2	0			Brought forward	3	4	4	0	5	0
Sandy gravel	...	0	3	0			Red clay ...	...	0	1	8		
					0	5	0	Freestone	1	4	6		
Freestone ...	...	2	1	8			Limestone ...	...	0	1	5		
Red clay ...	...	0	4	0							5	5	11
Freestone ...	...	0	4	8									
Carried forward	3	4	4	0	5	0	Total ...	...	6	4	11		

No. 2,904.—PLASHETTS.

TOWNSHIP OF PLASHETTS, NORTHUMBERLAND.

Sheet 40 of Ordnance Map. Lat. 55° 19' 23", Long. 2° 31' 8".

Account of Strata passed through in the No. 30 Bore-hole on Carter Fell.
 Approximate surface-level 1,800 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Peaty soil	0	2	0			Brought forward	2	3	3	1	1	0	
Blue clay	0	5	0			Grey metal, with post							
						1	1	0	girdles	...	1	3	7		
Grey metal, with post								Whin	...	...	0	0	10		
girdles	2	2	0								4	1	8
Whin girdle	0	1	3										
Carried forward			2	3	3	1	1	0	Total	...	...	5	2	8	

No. 2,905.—PLASHETTS.

TOWNSHIP OF PLASHETTS, NORTHUMBERLAND.

Sheet 40 of Ordnance Map. Lat. $55^{\circ} 18' 44''$, Long. $2^{\circ} 29' 19''$.*Account of Strata passed through in the No. 31 Bore-hole on Carter Fell.*

Approximate surface-level 1,675 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Sandy clay, mixed with whin and sandstone ...	0	0	11				Brought forward	1	1	7				
Whin tumblers ...	0	1	0				Sandy clay ...	0	3	4				
Sandy clay ...	0	1	2				Grey metal ...	0	5	0				
Whin tumblers ...	0	0	10				Gravel ...	0	1	0		2	4	11
Sandy clay ...	0	3	0				Freestone ...	2	0	0				
Whin tumblers ...	0	0	8								2	0	0	
Carried forward	1	1	7				Total ...				4	4	11	

No. 2,906.—PLASHETTS.

TOWNSHIP OF PLASHETTS, NORTHUMBERLAND.

Sheet 58 of Ordnance Map. Lat. $55^{\circ} 12' 40''$, Long. $2^{\circ} 30' 6\frac{1}{2}''$.*Account of Strata passed through in a Bore-hole at Cloven Crag, Plashetts, 1882.*

Approximate surface-level 1,000 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow freestone ...	14	4	8				Brought forward	28	2	2			
Grey metal ...	2	3	3				Grey metal, with post						
Bastard whin ...	0	2	10				girdles ...	1	0	9			
Red freestone ...	1	0	9				Blue metal ...	0	5	8			
Blue metal ...	0	2	8				<i>Little Coal Seam—</i>						
Red freestone ...	0	3	6				COAL ...	0	1	0			
Grey metal, with iron											30	3	7
girdles ...	0	5	5				Blue metal ...	1	2	6			
White and yellow							Grey post, with iron						
freestone ...	2	3	0				girdles ...	0	0	9			
Blue metal ...	3	3	4				<i>Plashetts Seam—</i>						
Black metal and							COAL ...	0	4	6			
whin ...	0	1	6								2	1	9
Blue metal ...	1	1	3										
Carried forward	28	2	2				Total ...				32	5	4

No. 2,907.—PLASHETTS.

TOWNSHIP OF PLASHETTS, NORTHUMBERLAND.

Sheet 58 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in Plashetts Colliery.

Approximate surface-level 800 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	2	0	0				Brought forward	5	0	0	2	0	0
				2	0	0	Shale ...	3	4	0			
Freestone ...	5	0	0				Whin or limestone...	0	2	0			
Carried forward	5	0	0	2	0	0	Carried forward	9	0	0	2	0	0

No. 2,907.—PLASHETTS.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.
Brought forward			9	0	0	2	0	0	Brought forward			14	5	10
Shale	...	...	1	0	0				Grey shale	...	...	0	2	0
COAL	...	...	0	1	3				COAL	...	...	0	0	2
			<hr/>			10	1	3				<hr/>		
Shale	...	...	2	0	0				Shale	...	...	3	0	0
<i>Plashetts Seam—</i>									COAL	...	...	0	1	0
COAL	...	...	0	4	7							<hr/>		
			<hr/>			2	4	7				<hr/>		
Carried forward						14	5	10	Total ...			<hr/>		
												18	3	0

No. 2,908.—PLAWSWORTH.

TOWNSHIP OF PLAWSWORTH, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 44", Long. 1° 35' 57".

Account of Strata passed through in the No. 1 Bore-hole at Plawsworth, for the Owners of Waldrige Colliery. Commenced March 11th, 1898.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	...	0	1	3		Brought forward	15	0	1	5	3	6
Yellow sandy clay ...	...	...	0	3	6		Mild post ...	...	...	0	4	3	
Sand, with loam partings ...	...	...	2	4	3		White post ...	...	...	0	4	0	
Sand, with water ...	...	...	0	5	6		Grey metal, with post girdles ...	...	...	0	3	0	
Yellow sandy clay ...	...	...	0	1	0		White post ...	...	...	6	5	3	
Loamy sand ...	...	...	1	0	0		Grey shale ...	...	...	0	1	1	
					5	3	6						
Freestone, with water	3	2	6				COAL ...	Ft. In.					
Dark shale ...	...	...	0	1	3		Shale ...	...	0	1½			
Post ...	...	...	0	4	10		COAL ...	...	1	6½			
Grey shale ...	...	...	4	2	0				0	2	2		
Grey post ...	...	...	0	3	0					24	1	10	
Grey metal, with post girdles ...	...	...	5	1	0		Very dark grey shale	0	1	10			
Grey post ...	...	...	0	3	6		Light grey shale ...	...	1	1	7		
											1	3	5
Carried forward	15	0	1	5	3	6	Total ...	...	31	2	9		

No. 2,909.—PLAWSWORTH.

TOWNSHIP OF PLAWSWORTH, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 56", Long. 1° 35' 50".

Account of Strata passed through in the No. 2 Bore-hole, near Plawsworth Cottage, for the Owners of Waldrige Colliery, 1898.

Approximate surface-level 280 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	...	0	1	0		Brought forward	2	5	6			
Yellow sandy clay ...	...	...	0	3	0		Running sand, with loamy partings ...	...	...	0	3	6	
Sand, with loamy partings ...	...	...	2	1	6		Laminated clay ...	...	...	0	1	6	
Carried forward	2	5	6				Carried forward	3	4	6			

No. 2,909.—PLAWSWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	6				Brought forward	17	5	10	7	2	10
Silts ...	2	1	6				Dark grey shale, with post girdles...	0	4	6			
Sandy clay ...	0	1	0				Very dark grey shale	1	0	6			
Loamy sand ...	0	3	0				Black stone, with coal threads ...	0	1	8			
Brown clay ...	0	4	10				Strong light grey shale ...	1	5	10			
				7	2	10	COAL ...	0	1	9			
Freestone ...	4	5	6								22	2	1
Grey shale, with post girdles ...	3	3	0				Light grey shale, with post girdles...	0	5	8			
Freestone ...	1	0	0				COAL ...	0	1	0			
Dark grey shale, with post girdles ...	1	2	0								1	0	8
Hard white post ...	1	2	10				Grey shale, with post girdles ...	0	1	3			
Grey shale, with post girdles ...	0	3	0								0	1	3
White post ...	3	2	6										
Light grey shale, with post girdles...	1	5	0										
Carried forward	17	5	10	7	2	10	Total ...				31	0	10

No. 2,910.—PLESSEY.

TOWNSHIP OF PLESSEY AND SHOTTON, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Plessey.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	3	0				Brought forward	0	2	0	23	1	1
Sand ...	0	2	0				White and grey post	0	4	0			
Stony clay ...	4	0	0				Grey and blue post...	0	4	6			
				4	5	0	COAL , hard and foul ...	0	0	7			
Grey metal, with post girdles ...	3	0	0								1	5	1
Black metal...	0	1	0				Grey and blue metal, with hard lumps ...	0	5	0			
COAL , foul...	0	0	9				Grey and white post	0	3	0			
				3	1	9	Grey metal ...	0	1	6			
Black metal, with scars of coal ...	0	3	9				Grey and white post	1	3	0			
Grey metal, with post girdles ...	1	1	6				Whin ...	1	0	0			
Grey post, with part- ings and water ...	8	5	0				Post and whin ...	0	2	0			
COAL , hard and splinty ...	0	0	9				Grey metal stone, with girdles ...	1	4	0			
				10	5	0	Black metal...	0	0	6			
Blue grey metal ...	3	4	6				Blue grey metal, with whin girdles	0	5	0			
<i>Five-Quarter Seam—</i> COAL , coarse ...	0	2	10				Grey metal stone, with post girdles	1	1	0			
				4	1	4	<i>Low Main Seam—</i> COAL ...	0	5	9			
Blue metal ...	0	2	0								9	0	9
Carried forward	0	2	0	23	1	1	Total ...				34	0	11

No. 2,911.—PONTOP.

TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Cresswell Pit, Pontop Colliery, Lancheater Common Royalty.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	4	5	2				Brought forward	0	1	0	29	4	10
				4	5	2	<i>Brass Thill Seam—</i>						
Freestone post ...	3	4	6				COAL ...	0	5	6			
<i>Shield Row Seam—</i>											1	0	6
COAL , top	3	2					Seggar-clay ...	0	1	8			
Band ...	0	5					White post ...	1	1	6			
COAL ...	0	3½					Blue metal ...	4	4	6			
Band ...	0	2½					Grey post ...	1	1	6			
COAL ...	1	4					Blue metal ...	1	1	6			
				0	5	5	Iron girdle ...	0	0	6			
							Blue metal ...	1	4	0			
				4	3	11	White and grey post,						
Seggar-clay ...	0	3	8				with blue metal at						
Blue metal ...	3	0	0				bottom ...	16	0	6			
White post ...	1	2	6				<i>Hutton Seam—</i>						
Blue metal ...	1	1	5				COAL ...	2	10½				
White post ...	1	1	6				Band ...	1	3				
Blue metal ...	3	2	9				Jet ...	0	2				
Grey metal ...	3	0	4				Stone ...	0	0¾				
Blue metal ...	1	0	9				COAL ...	1	6½				
Grey metal ...	2	0	0				Band ...	0	2				
Blue metal ...	2	1	3				COAL ...	2	7				
<i>Five-Quarter Seam—</i>											1	2	7¾
COAL ...	0	5	7								28	0	3¾
				20	1	9							
Seggar-clay ...	0	1	0										
Carried forward	0	1	0	29	4	10	Total ...	58	5	7¾			

No. 2,912.—PORT CLARENCE.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 26", Long. 1° 12' 56".

Account of Strata passed through in a Diamond Bore-hole on Salt Holme Farm, near Port Clarence, for Messrs. Bell Brothers, Limited, 1874.

Approximate surface-level 12 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	2	1	0			
Clay ...	0	4	0				Clean sand ...	4	2	0			
Dark sand ...	1	1	6				Red clay ...	0	3	0			
Carried forward	2	1	0				Carried forward	7	0	0			

No. 2,912.—PORT CLARENCE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	0	0				Brought forward	153	5	0			
Sand and gravel ...	1	2	0				<i>Lower Gypseous</i>						
Boulder-clay ...	4	3	0				<i>Marls:</i>						
				12	5	0	Strong marl, with						
<i>Red Sandstones and</i>							veins of gypsum ...	1	1	0			
<i>Marls:</i>							Mixed marl and sand-						
Red marl ...	12	1	0				stone ...	4	3	0			
Red sandstone, with							Marly sandstone,						
veins of marl ...	24	0	0				with veins of gyp-						
White sandstone ...	0	1	3				sum ...	23	3	0			
Red sandstone, with							Gypsum ...	0	4	0			
veins of marl ...	25	3	9								29	5	0
Red sandstone ...	1	4	0				<i>Saliferous Beds:</i>						
Soft marl ...	0	3	0				Hard white stone,						
Red sandstone ...	1	0	0				yielding gypsum...	0	3	9			
Blue vein ...	0	0	10				Gypsum ...	0	3	6			
Red sandstone ...	5	1	2				Marly sandstone, very						
Red sandstone, with							salt ...	1	2	1			
veins of marl ...	4	3	0				Sandstone and salt...	1	4	3			
Soft marl ...	0	4	0				Red rock, with 4 per						
Red sandstone ...	4	5	0				cent. of salt, only						
Red sandstone, with							3 feet of core, be-						
veins of marl ...	8	1	0				cause fresh water						
Soft marl ...	1	0	0				was used ...	1	3	0			
Red sandstone, with							Good salt ...	2	4	0			
veins of marl ...	5	1	0				Rock salt ...	8	0	5			
Red sandstone ...	1	0	0				Rock salt, with marl						
Marl, with blue veins							and gypsum ...	5	5	0			
of sandstone ...	2	5	0								22	2	0
Red sandstone, with							<i>Magnesian Limestone</i>						
veins of marl ...	11	0	0				<i>and Lower Red</i>						
Blue vein ...	0	0	7				<i>Sandstone:</i>						
Red sandstone, with							Soft shale and gyp-						
veins of marl ...	2	1	5				sum ...	1	2	0			
Strong marl ...	1	3	6				Gypsum ...	2	1	0			
Red sandstone, with							Gypsum and lime-						
veins of marl ...	4	2	6				stone ...	2	0	0			
Blue vein ...	0	0	3				Limestone: carbur-						
Strong marl ...	1	0	3				etted hydrogen gas						
Red sandstone, with							was liberated here	7	3	0			
veins of marl ...	5	0	6				Grey limestone ...	1	3	0			
Strong red marl and							Grey limestone and						
sandstone ...	2	5	0				gypsum ...	1	5	0			
Red sandstone, with							Gypsum ...	0	2	0			
veins of marl ...	2	4	0				Gypsum, containing						
Strong marl ...	3	2	0				salt ...	0	1	0			
Red sandstone and							Rock salt ...	2	2	0			
marl ...	0	5	0				Marl, containing salt	0	2	0			
Red sandstone, with							Marl, with gypsum...	0	1	0			
veins of marl ...	2	2	0				Salt, impure ...	0	1	0			
Strong marl, with											19	5	0
veins of sandstone	1	0	0										
Strong marl ...	3	5	0										
				141	0	0							
Carried forward				153	5	0	Total ...	225	5	0			

No. 2,913.—PORT CLARENCE.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 45", Long. 1° 13' 12".

Account of Strata passed through in the No. 1 Diamond Bore-hole at Salt Holme Salt Works, near Port Clarence, for Messrs. Bell Brothers, Limited, 1881.

Approximate surface-level 12 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Peat, earth and clay	1	2	0				Brought forward	105	2	0	16	0	0
Blue clay ...	5	2	0				Grey sandstone ...	0	2	0			
Brown and red boulder-clay ...	9	2	0				Red sandstone ...	1	0	0			
				16	0	0	Red marl ...	0	5	0			
<i>Red Sandstones and Marls:</i>							Red sandstone ...	1	3	0			
Red sandstone ...	48	3	0				Red marl ...	0	1	0			
Grey sandstone ...	0	2	0				Red sandstone ...	0	5	0			
Red sandstone ...	9	3	0				Red marl, with 2 inches of grey sandy band ...	1	4	2			
Striped red and grey sandstone ...	0	2	0				Red sandstone ...	1	1	10			
Red sandstone ...	3	1	0				Red marl ...	0	3	0			
Grey sandstone ...	0	2	0				Red sandstone ...	2	1	0			
Red sandstone ...	1	3	0								115	4	0
Grey sandstone, with 6 inches of red marl ...	0	5	6				<i>Lower Gypsaceous Marls:</i>						
Reddish grey sandstone ...	0	3	6				Red marl, with grey stripes and veins of gypsum ...	30	5	0			
Red marl, with white stripes ...	1	5	0				Hard red marl, with grey stripes and veins of gypsum ...	3	3	0			
Red sandstone ...	6	2	0				Hard red marl, with thick vein of pure gypsum ...	1	0	6			
Grey sandstone ...	0	4	0				Pure gypsum ...	0	1	6			
Red sandstone ...	2	3	0								35	4	0
Grey sandstone ...	0	0	6				<i>Saliferous Beds:</i>						
Red sandstone ...	2	0	6				Hard white stone ...	1	2	6			
Grey sandstone ...	1	1	0				Red sandy marl, rather hard ...	0	4	6			
Red marl, with white stripes ...	2	2	0				Red sandy marl, very soft ...	0	5	0			
Red sandstone ...	3	0	0				Red sandy marl, hard, with vein of gypsum ...	0	4	0			
Red marl ...	1	2	0				Red and dark brown marl ...	0	5	0			
Red sandstone ...	1	1	0				Red and dark brown marl, with salt ...	2	0	0			
Red marl, with white stripes and 2 inches of grey sandy band	2	2	2				Rock salt and red clay ...	10	5	0			
Red sandstone ...	0	3	10				Rock salt and gypsum ...	2	0	0			
Red marl ...	0	3	0								19	2	0
Red sandstone ...	4	5	0										
Red marl ...	0	4	0										
Red sandstone ...	4	0	0										
Red marl ...	0	2	0										
Red sandstone ...	0	2	0										
Red marl ...	1	1	0										
Red sandstone ...	0	2	0										
Red marl ...	2	3	0										
Carried forward	105	2	0	16	0	0	Total ...	186	4	0			

No. 2,914.—PORT CLARENCE.

TOWNSHIP OF BILLINGHAM, DURHAM.

Sheet 51 of Ordnance Map. Lat. 54° 35' 27", Long. 1° 14' 17".

Account of Strata passed through in the No. 1 Diamond Bore-hole at Port Clarence, for Messrs. C. Alhusen and Sons, by Mr. John Vivian, 1883.

Approximate surface-level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Peat and muddy sand ...	1	4	0				Brought forward	74	0	3	34	5	9
Dark muddy sand ...	1	0	0				Strong red shale ...	1	5	0			
Dark sand ...	0	4	0				Red shale, with beds of sandstone ...	1	2	0			
Sand and gravel ...	0	4	0				Red sandstone ...	2	5	0			
Dark sandy clay ...	0	4	0				Red sandstone, with beds of shale ...	10	1	0			
Sandy clay ...	2	5	0				Strong red shale ...	1	2	6			
Running sand ...	5	5	0				Red sandstone ...	4	5	6			
Sand and gravel ...	0	4	0				Red shale ...	1	3	6			
Hard bound gravel ...	0	3	0				Red sandstone and shale ...	3	1	6			
Strong red pinnel* ...	1	1	0				Strong red shale ...	1	4	0			
Grey sandy clay ...	0	1	0				Strong red shale, with light blue spots ...	1	0	6			
Red pinnel* ...	0	4	0	16	3	0	Red sandstone, with light blue spots ...	0	5	0			
<i>Upper Gypseous Marls:</i>							Red shaly sandstone ...	2	4	6			
Red and blue shale ...	2	5	0				Red sandy shale ...	1	3	0			
Red sandy shale, with gypsum ...	3	0	0				Red sandy shale, with light blue spots ...	2	5	0			
Red and grey sandy shale, with gypsum ...	0	3	6				Red sandstone, with red shale beds ...	3	4	0			
Grey sandy shale, with gypsum ...	1	0	6								115	4	3
Red and grey sandy shale, with gypsum ...	4	5	0				<i>Lower Gypseous Marls:</i>						
Grey sandy shale, with gypsum ...	0	4	6				Red shale, with veins of gypsum ...	3	0	0			
Red and grey sandy shale, with gypsum ...	0	3	0				Red shale, with beds of sandstone ...	7	4	0			
Red shale ...	2	5	0				Red shale, with small blue joints and veins of gypsum ...	10	0	6			
Red and grey sandy shale ...	2	0	3	18	2	9	Red sandstone, with veins of gypsum ...	2	0	0			
<i>Red Sandstones and Marls:</i>							Red and grey shale and gypsum, mixed	2	0	0			
Soft red sandstone ...	19	5	6				Gypsum ...	0	1	0			
Red sandstone ...	32	1	9								24	5	6
Red shale ...	0	5	6				<i>Saliferous Beds:</i>						
Red sandstone ...	5	3	0				Hard grey stone, with thin veins of gypsum ...	2	2	0			
Red shale, with beds of sandstone ...	0	5	0				Hard grey stone ...	1	4	0			
Red sandstone ...	6	5	0				Hard grey stone, with gypsum ...	1	0	6			
Strong red shale ...	0	1	6										
Red sandstone ...	0	4	0										
Strong red shale ...	0	5	0										
Red sandstone ...	5	4	0										
Strong red shale ...	0	1	0										
Red sandstone ...	0	1	0										
Carried forward	74	0	3	34	5	9	Carried forward	5	0	6	175	3	6

No. 2,914.—PORT CLARENCE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	0	6	175	3	6	Brought forward	20	0	0	182	1	0
Grey stone, with veins and spots of gypsum ...	1	3	0				Limestone, with veins of gypsum ...	1	0	0			
				6	3	6	Limestone ...	1	5	0			
<i>Magnesian Limestone and Lower Red Sandstone:</i>							Anhydrite ...	0	3	0			
Limestone and gyp- sum ...	0	4	0				Dark grey limestone, with gypsum and black joints ...	1	1	0			
Limestone ...	4	4	0				Dark grey limestone	0	5	0			
Limestone, with gyp- sum ...	0	3	0				Anhydrite ...	0	1	0			
Limestone ...				5	3	0	Limestone, with gyp- sum ...	0	3	0			
Anhydrite ...	0	5	0				Dark grey limestone, with gypsum and black joints ...	0	5	0			
White gypsum ...	2	1	6				Dark grey limestone	0	4	0			
White rock ...	1	5	0				Limestone and gyp- sum ...	0	2	0			
Limestone ...	3	4	6								27	5	0
Carried forward	20	0	0	182	1	0	Total ...				210	0	0

* Pinnel is coarse clayey gravel.

No. 2,915.—PRESTON.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 50", Long. 1° 27' 52".

*Account of Strata sunk through below the Low Main Seam, Preston
Colliery, 1905.*

Approximate surface-level 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	12	1	0				Brought forward				31	2	5
Post, with iron gir- dles ...	4	2	0				Post ...	1	5	10			
Blue metal, with post girdles ...	1	3	0				COAL ...	0	0	9			
Soft blue metal ...	4	2	9								2	0	7
COAL ...	0	0	3	22	3	0	Seggar-clay ...	0	0	9			
Seggar-clay ...	1	0	0				Post ...	0	4	0			
Post ...	3	0	0				Hard grey post	0	1	10			
Blue metal ...	1	4	0				White post ...	1	0	2			
Iron girdle ...	0	1	6				Whin ...	0	2	0			
Blue metal ...	1	1	2				Post ...	3	2	9			
Post girdle ...	0	1	6				<i>Top Busty Seam—</i>						
Blue metal ...	0	4	0				COAL ...	0	11				
<i>Beaumont Seam—</i>							Band ...	0	3				
COAL ...	1	5					COAL ...	0	9				
Band ...	0	6					Splint ...	0	1				
COAL ...	1	3					COAL ...	0	7				
Seggar-clay band ...	1	3					Seggar-clay band ...	0	8				
COAL ...	0	10					COAL ...	1	1				
				0	5	3					0	4	4
				8	5	5					6	3	10
Carried forward				31	2	5	Blue metal ...	1	4	7			
							Post ...	1	0	8			
							Blue metal ...	0	3	0			
							Carried forward	3	2	3	40	0	10

No. 2,915.—PRESTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	3	40	0	10
Post ...	...	0	1	0		
Blue metal ...	...	0	0	10		
<i>Bottom Busty Seam—</i>						
	Ft.	In.				
COAL ...	2	0				
Band ...	0	8				
COAL ...	0	4				
			0	3	0	
				4	1	1
Seggar-clay ...	2	1	2			
Post ...	1	4	6			
Metal band ...	0	2	3			
White post ...	6	3	6			
COAL ...	0	0	3			
			10	5	8	
Post ...	1	2	0			
Blue metal ...	2	1	9			
<i>Three-Quarter Seam—</i>						
	Ft.	In.				
COAL ...	1	3				
Band ...	0	6				
COAL ...	0	5				
Stone ...	1	8				
COAL ...	0	6				
			0	4	4	
				4	2	1
Carried forward			59	3	8	

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			59	3	8	
Blue metal ...	5	0	2			
<i>Brockwell Seam—</i>						
	Ft.	In.				
COAL ...	1	6				
Band ...	0	1				
COAL ...	1	3				
Band ...	2	0				
COAL ...	0	4				
			0	5	2	
				5	5	4
Iron girdle ...	0	1	0			
Blue metal ...	0	4	0			
Blue metal, with post						
girdles ...	4	1	0			
Post, with thin blue						
partings ...	2	0	0			
White post ...	2	5	0			
Blue metal ...	0	4	0			
COAL ...	0	0	2			
Post ...	0	3	0			
COAL ...	0	0	2			
			11	0	4	
Blue metal ...	0	2	8			
Grey post ...	1	4	0			
White post ...	1	1	0			
Close grey post	1	1	0			
				4	2	8
Total ...			81	0	0	

No. 2,916.—PRESTWICK.

TOWNSHIP OF PRESTWICK, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 33", Long. 1° 42' 41".

Account of Strata sunk through in the Lizzie Ann Shaft, Prestwick Colliery.
Approximate surface-level 220 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	3	3	0			
Sand and gravel ...	1	0	0			
Stiff blue clay ...	3	0	0			
Sandstone ...	1	0	0			
Ramble ...	1	1	0			
COAL ...	0	1	6			
			9	5	6	
Seggar-clay ...	0	4	0			
Blue metal ...	0	3	0			
COAL ...	0	0	6			
			1	1	6	
Clean white stone ...	1	1	0			
Blue metal, mixed						
with white post						
band ...	2	4	0			
Carried forward	3	5	0	11	1	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	5	0	11	1	0
Clean white stone ...	1	2	0			
Red sandstone ...	4	0	0			
<i>Three-Quarter or Main</i>						
<i>Coal Seam—</i>						
COAL ...	0	2	1			
			9	3	1	
Seggar-clay ...	0	4	6			
Post ...	2	3	0			
Blue metal ...	2	0	0			
COAL ...	0	1	2			
			5	2	8	
Blue metal ...	1	2	0			
Post ...	1	0	0			
Carried forward	2	2	0	26	0	9

No. 2,916.—PRESTWICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	0	26	0	9	Brought forward	5	1	0	29	4	1
Blue metal ...	...	1	1	0			<i>Brockwell Seam—</i>						
COAL ...	...	0	0	4									
					3	3	4						
Post ...	...	1	1	0			COAL ...	Ft. In.					
Blue metal ...	...	1	0	0			Band ...	1	0				
Post ...	...	2	0	0			COAL ...	0	7				
Blue metal ...	...	1	0	0				3	2				
									0	4	9		
											5	5	9
Carried forward	5	1	0	29	4	1	Total ...				35	3	10

No. 2,917.—RADCLIFFE.

TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. 55° 19' 21", Long. 1° 33' 16".

Account of Strata sunk through in the Newbrough Pit, Radcliffe Colliery.

Approximate surface-level 35 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Strong clay	3	3	0			Brought forward	6	5	6	23	0	3	
					3	3	0	<i>Radcliffe Steam Coal</i>						
Blue metal, mixed	...	4	3	0			<i>Seam—</i>							
with grey post	0	0	6			COAL , can-	Ft. In.						
COAL				4	3	nel ...	0	9					
							COAL ...	6	0					
Seggar-clay	0	0	6					1	0	9			
Post	1	2	0							8	0	3	
Dark blue metal	1	1	0			Seggar-clay ...	...	0	2	0			
Grey metal	1	1	0			Post ...	...	1	0	0			
Hard post	0	4	0			Blue metal ...	...	5	5	0			
Dark blue metal	1	2	0			Black metal, mixed	...						
Grey metal	1	4	0			with coal, and	...	1	2	0			
COAL	0	2	5			water ...	...	4	4	0			
					7	4	11	Blue metal	4	4	0		
Seggar-clay	0	0	6			Post, with partings,	...	4	3	0			
White post	1	4	0			and water...	...	0	2	0			
Dark grey metal	1	3	0			Blue metal ...	...	0	2	0			
Post	0	2	0			<i>Albert Seam—</i>							
Dark grey metal	0	4	0			COAL ...	Ft. In.						
Post girdles	0	5	4			...	3	3					
Seggar-clay	0	1	0			Band ...	0	3					
Dark metal and coal,	...	0	0	6			COAL ...	1	6					
mixed	0	2	3					0	5	0			
COAL				5	4	7				18	5	0	
Seggar-clay	0	2	0			Seggar-clay ...	...	0	3	0			
Light blue metal	0	3	0			Brown post ...	...	4	3	0			
Dark grey metal	0	3	0			Blue metal ...	...	0	4	6			
COAL	0	0	3			COAL ...	...	0	0	6			
					1	2	3					5	5	0
Light grey metal	1	3	0			Blue metal ...	...	0	4	0			
Hard post girdle	0	1	6			Post, with water ...	...	5	0	0			
Blue metal	5	1	0										
Carried forward	6	5	6	23	0	3	Carried forward	5	4	0	55	4	6	

No. 2,917.—RADCLIFFE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	4	0	55	4	6	Brought forward	7	1	0	70	0	2
Soft post, with partings, and water ...	4	0	0				Dark grey metal, with post girdles...	1	4	0			
<i>Queen Seam</i> —							Post ...	0	1	3			
							<i>Princess Seam</i> —						
COAL ...	3	0											
COAL, splint 1 0							COAL ...	0	5				
		0	4	0			Band ...	0	8				
				10	2	0	COAL ...	0	11				
Seggar-clay ...	0	2	0				Band ...	0	6				
Post, with partings	1	3	0				COAL ...	3	9				
Blue metal ...	1	5	0						1	0	3		
<i>Little Wonder Seam</i> —											10	0	6
COAL ...	0	1	8				Seggar-clay ...	1	0	9			
				3	5	8	Grey metal and seggar-clay ...	1	0	0			
Blue metal ...	1	1	0				Post, with partings	2	3	0			
Post, with partings	4	0	0				Post ...	3	0	6			
Blue metal ...	2	0	0								7	4	3
Carried forward	7	1	0	70	0	2	Total ...				87	4	11

No. 2,918.—RAINTON.

TOWNSHIP OF WEST RRAINTON, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 49' 3", Long. 1° 30' 34".

Account of Strata passed through in a Bore-hole below the Hutton Seam, near the bottom of the Adventure Pit, Rainton Colliery, 1883 and 1892.—Continuation of No. 1,582.

Approximate surface-level 206 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of <i>Hutton Seam</i> ...				61	2	0	Brought forward	11	0	2	75	2	4
Grey shale ...	1	3	2				Very hard white post	0	4	2			
Grey post, with a little water at top	6	4	0				Dark grey shale ...	0	1	4			
White post ...	5	2	11				<i>Supposed Harvey Seam</i> —						
Grey shale ...	0	1	11										
COAL ...	0	0	4				COAL, with a little dant	1	11½				
				14	0	4	Black stone, mixed with coal ...	0	3½				
Grey shale, with iron-stone balls...	0	2	9						0	2	3		
White post ...	0	3	5								12	1	11
Grey shale, with iron-stone girdles ...	3	4	0				Grey shale, with post girdles ...	1	4	7			
Very dark grey shale	0	3	6				Light grey shale, with ironstone balls ...	2	1	11			
Black shale ...	0	1	9				Hard ironstone girdle ...	0	0	9			
Grey shale ...	0	1	3				Strong grey shale ...	1	4	10			
Grey post, with shale partings ...	2	2	8				Grey post ...	0	3	1			
Grey shale ...	1	0	10				Hard white post ...	11	2	4			
Light grey post ...	1	4	0										
Carried forward	11	0	2	75	2	4	Carried forward	17	5	6	87	4	3

No. 2,918.—RAINTON.—CONTINUED.

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		17	5	6	87	4	3
Supposed <i>Top Busty</i>							
<i>Seam—</i>							
	Ft. In.						
COAL	... 0 8						
Grey shale	... 0 0 $\frac{1}{2}$						
band	... 0 3 $\frac{1}{2}$						
COAL	... 0 1 0						
	—	18	0	6			
Dark grey shale	... 0 0 2						
White post	... 0 3 6						
Strong grey shale	... 2 1 11						
Grey post, with shale	... 0 3 8						
partings	... 0 1 5						
Dark grey shale	... 0 0 10						
Black shale, with a	... 0 0 11 $\frac{1}{2}$						
little coal	... 0 0 5 $\frac{1}{2}$						
COAL	... 0 1 0						
	—	4	0	5 $\frac{1}{2}$			
Dark grey shale	... 6 4 0						
Strong post	... 2 1 9 $\frac{1}{2}$						
Light grey shale,	... 0 0 4						
with post girdles...							
Black metal	... 0 0 4						
Supposed <i>Lower Busty</i>							
<i>Seam—</i>							
	Ft. In.						
COAL, strong,	0 7						
like cannel	... 0 6						
COAL	... 0 0 $\frac{1}{2}$						
Hard band	... 0 1 $\frac{1}{2}$						
COAL	... 0 1 3						
	—	9	2	4 $\frac{1}{2}$			
Grey shale	... 1 5 0						
Strong grey post	... 1 3 0						
Dark grey shale	... 0 0 9						
Strong grey post	... 1 0 0						
Strong dark grey	... 0 1 0						
shale	... 0 4 3						
Grey post	... 0 0 3						
Strong dark grey	... 0 0 9						
shale	... 0 2 0						
Whin	... 0 1 0						
White whin	... 0 0 2						
Whin	... 0 0 2						
Grey post	... 0 1 0						
Light grey shale	... 0 0 2						
Black shale	... 0 1 10						
COAL	... 6 3 5						
	—						
Carried forward		125	5	0			
Brought forward		125	5	0			
Strong dark grey							
shale	... 0 1 1						
Dark grey post, with	... 1 2 3						
metal partings	... 0 0 4 $\frac{1}{2}$						
Black shale	... 0 0 5 $\frac{1}{2}$						
COAL	... 1 4 2						
	—						
Strong dark grey	... 0 1 4						
shale	... 0 5 0						
Dark grey post	... 8 4 6						
Strong white post	... 0 0 6						
Strong dark grey	... 0 0 8						
shale	... 1 2 0						
White post	... 0 0 6						
Dark grey shale,	... 0 0 3						
with post girdles...							
Black shale	... 11 2 9						
COAL	... 0 3 6						
	—						
Light grey shale,	... 1 3 1						
with post girdles...	... 0 3 2						
Strong white post	... 0 0 2 $\frac{1}{2}$						
Dark grey shale	... 0 0 1 $\frac{1}{2}$						
Black metal	... 2 4 1						
COAL	... 0 3 3						
	—						
Light grey shale	... 1 3 4						
White post, with	... 1 4 3						
shale partings	... 0 0 4						
Dark grey shale	... 0 0 4						
Black shale	... 0 0 4						
COAL	... 3 5 6						
	—						
Light grey shale	... 0 0 3						
Strong grey post,	... 4 2 2						
with a little water							
Supposed <i>Brockwell</i>							
<i>Seam—</i>							
	Ft. In.						
COAL	... 0 11 $\frac{1}{2}$						
Band	... 0 8						
COAL	... 0 6						
	—	0	2	1 $\frac{1}{2}$			
	—	4	4	6 $\frac{1}{2}$			
Very strong dark	... 2 3 2						
grey and light grey	... 3 1 4						
post	... 5 4 6						
Dark grey shale	... 156 0 6 $\frac{1}{2}$						
	—						
Total	... 156 0 6 $\frac{1}{2}$						

No. 2,919.—RAINTON.

TOWNSHIP OF EAST RANTON, DURHAM.

Sheet 20 of Ordnance Map. Lat. $54^{\circ} 48' 39''$, Long. $1^{\circ} 28' 56''$.

Account of Strata passed through in a Bore-hole below the Low Main Seam, in the South-west Cross-cut Wagon-way, about 17 yards from the Shaft, Alexandrina Pit, Rainton Colliery, 1896.—
Supplementary to No. 1,589.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth at shaft from surface to bottom of <i>Low Main Seam</i>				62	0	1½	Brought forward	4	2	11	76	4	8
Pipe sunk into grey shale ...	0	3	9				Ft. In.						
Grey shale, with post girdles ...	0	4	3				COAL , coarse, mixed with black stone...	0	3				
Hard grey post, with shale partings ...	1	1	11				Grey shale ...	0	2½				
Grey post ...	0	3	7				Black stone, mixed with coal ...	0	5				
Grey post, with shale partings ...	1	4	7					0	0	10½			
Black stone ...	0	8					Seggar-clay ...	0	0	4			
COAL ...	0	6					Grey shale, with post girdles ...	1	5	3			
Black stone ...	0	8					Black shale ...	0	0	3			
COAL ...	0	4					Grey shale, with post girdles ...	0	1	7			
	0	2	2				Black stone ...	0	0	2			
				5	2	3	COAL ...	0	0	1½			
Soft blue shale ...	0	1	2					2	1	8½			
Strong blue shale, with light partings	0	2	4				Seggar-clay ...	0	1	0½			
							Grey shale, with post girdles ...	1	2	10			
COAL ...	0	6					Hard grey post ...	1	5	0			
Blue shale ...	0	10					Dark grey shale ...	0	1	11			
COAL ...	0	8					Black stone ...	0	0	2			
	0	2	0				COAL ...	0	0	5½			
				0	5	6		3	5	5			
Grey post ...	1	4	8				Grey shale ...	0	1	2½			
Dark grey shale, with post girdles...	1	0	4				Post girdles ...	0	0	10			
Grey post, with shale partings ...	4	2	7				Very dark grey shale	0	2	11			
Dark grey shale ...	0	2	1				Grey post ...	0	1	5			
<i>Hutton Seam—</i>							Grey shale, with post girdles ...	0	1	5			
							Grey post ...	1	3	2			
COAL ...	4	4½					Dark grey shale ...	0	3	9			
COAL , bottom ...	0	9					Grey post ...	0	1	1			
				0	5	1½	Grey metal, with post girdles ...	0	1	8			
				8	2	9½	Dark grey shale ...	0	3	5			
Grey shale, with ironstone girdles...	0	4	1				Post girdles ...	0	0	6			
White post ...	0	4	6				Dark grey shale, with post girdles...	0	5	10			
White post, with thin shale partings	0	3	8				Black stone ...	0	2	11			
White post ...	2	1	9				Very light grey shale	0	0	8			
Black stone ...	0	0	11				Very dark grey shale, with fossil shells...	0	4	0			
							Very dark grey shale	1	2	1			
Carried forward	4	2	11	76	4	8	Carried forward	8	0	10½	87	3	7

No. 2,919.—RAINTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	0	10½	87	3	7	Brought forward	6	3	8	120	5	6½
Light grey shale ...	0	0	9				Coarse white post, with veins of coal and ironstone balls	2	1	8			
Grey post ...	0	5	3				Grey shale, with ironstone balls ...	1	3	7			
Grey shale, with post and post girdles...	2	1	9				Soft black shale ...	0	1	4			
Grey post ...	0	1	3				Black stone and coal	0	1	3			
Dark grey shale ...	0	3	0				Dark grey shale ...	0	2	7			
Harvey Seam—							COAL ...	0	0	0½			
COAL ...	0	1	11								11	2	1½
				12	2	9½	Dark grey shale, with ironstone girdles...	1	4	0			
Seggar-clay ...	0	0	3				Soft grey shale ...	0	2	11			
Very dark grey shale	2	1	11				Black stone ...	0	2	3			
							Seggar-clay ...	0	0	5			
COAL, with a little black stone ...	0	2½					Strong dark grey shale, with iron- stone balls ...	0	4	7			
Dark grey shale	0	6					Strong light post ...	1	4	7			
COAL, with a little black stone ...	0	5½					Dark grey shale ...	0	0	6			
				0	1	2	Lower Busty Seam—						
Very dark grey shale	0	1	4				Black stone	0	2				
Soft light grey shale, with iron- stone balls ...	0	4	6				COAL, soft	1	10				
Dark grey shale, with ironstone balls ...	1	2	9				Black stone	0	1				
White post, mixed with grey shale ...	1	2	9								0	2	1
Strong grey shale ...	1	4	7										5 3 4
Very strong grey post ...	0	3	8				Dark grey shale ...	0	1	4			
Grey shale parting...	0	1	0				Light grey post ...	1	3	2			
Strong grey post ...	4	0	0				Dark grey shale ...	1	1	1			
Grey shale, with ironstone balls ...	0	1	6				Seggar-clay, with ironstone balls ...	0	3	2			
Grey post, mixed with shale...	1	0	3				Dark grey shale, with threads of post ...	2	1	3			
Dark grey shale ...	0	0	7				Strong light post, with occasional gir- dles ...	5	2	2			
Dark grey shale, mixed with post...	1	1	2				Strong light post, mixed with dark grey shale ...	0	5	8			
Strong white post ...	2	4	0				Strong grey post ...	0	3	2			
Dark grey shale ...	0	0	5				Strong grey post, mixed with shale...	0	3	2			
Strong white post, with coal threads	0	2	10				Strong dark grey post ...	0	5	3			
Fine conglomerate, with coal threads	1	3	6				Very dark grey shale	0	4	9			
COAL ...	0	0	2				COAL ...	0	0	8			
Fine conglomerate, with coal threads	0	0	10								14	4	10
Busty Seam—							Grey shale ...	0	0	5			
COAL ...	0	2	0				Very dark grey post	1	5	9			
							Very dark grey shale	0	2	0			
				18	1	10	COAL ...	0	0	1½			
Grey shale, with post girdles ...	0	3	4								2	2	3½
White post ...	4	4	3				Seggar-clay ...	0	1	0½			
Very coarse sand- stone ...	1	2	1				Dark grey shale, with iron balls ...	0	3	0			
							Light grey post ...	0	4	0			
Carried forward	6	3	8	120	5	6½	Carried forward	1	2	0½	155	0	1½

No. 2,919.—RAINTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	0½	155	0	1½	Brought forward	178	5	11			
Dark grey post, with shale part- ings ...	0	3	2				Grey shale ...	0	2	3			
Very dark grey shale	2	4	0				Grey post ...	0	4	8			
							Grey shale, with threads of post ...	1	0	8			
Black stone and coal ...	0	4½					Gannister ...	0	1	2			
COAL, coarse ...	0	5½					Hard light grey post	5	4	8			
COAL ...	0	3½					Grey shale ...	0	3	2			
Black stone and coal ...	0	2					Hard light grey post	2	2	4			
							Very coarse post ...	6	5	0			
							Fine dark post, with shale partings and coal threads near bottom ...	1	0	7			
				4	4	6	Conglomerate ...	0	2	0			
Dark grey shale ...	0	2	4				Dark grey shale, with threads of post ...	0	4	5			
Very coarse grey post	0	5	4				Dark grey shale, with ironstone balls ...	0	2	0			
Grey post ...	2	4	0½				Dark grey shale ...	0	3	0			
Grey shale, with threads of post ...	1	1	5				Light grey shale ...	0	4	9			
Soft grey shale ...	1	3	10				Grey post, with threads of shale ...	0	5	3			
Hard grey shale ...	0	1	5				Dark grey shale ...	0	5	3			
Grey post ...	1	0	7				Coarse light grey post ...	0	4	7			
Grey shale ...	0	4	0				Grey post, with threads of shale ...	3	3	1			
Very hard dark grey post ...	0	2	6				Light grey post ...	1	2	10			
White post, with dark threads ...	8	0	4				Grey shale, with ironstone balls ...	0	5	0			
Grey post, with coal threads ...	0	5	10				Grey post ...	0	3	2			
Dark grey shale ...	0	4	9										
COAL ...	0	10											
Black stone ...	0	1											
				19	1	3½							
Carried forward				178	5	11	Total ...	209	3	9			

No. 2,920.—RAINTON.

TOWNSHIP OF MOORSLEY, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 48' 39", Long. 1° 28' 56".

*Account of Strata passed through in a Bore-hole below the Main Coal Seam,
three-quarters of a mile from the Shaft, Alexandrina Pit,
Rainton Colliery, 1891.—Supplementary to No. 1,589.*

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth at shaft from surface to bottom of <i>Main Coal Seam</i>				40	4	11	Brought forward	0	4	8	40	4	11
From top of scaffold to stone head ...	0	2	3				Mild grey post and metal ...	0	5	11			
Fire-clay ...	0	2	5				Dark grey metal, with ironstone gir- dles ...	0	4	8			
Carried forward	0	4	8	40	4	11	Carried forward	2	3	3	40	4	11

No. 2,920.—RAINTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	3	40	4	11	Brought forward	12	5	8	40	4	11
Mild grey metal, with iron post gir- dles	1	2	4				Mild grey metal ...	2	3	4			
Strong dark grey metal	0	3	11				Seggar-clay	1	0	0			
Mild grey metal, with iron post gir- dles	1	4	7				Dark grey metal ...	0	1	9			
Mild grey post, with metal partings ...	1	3	8				Light mild grey post	1	4	3			
Strong grey metal ...	2	3	6				Mild laminated post, with metal part- ings	3	3	8			
Mild grey metal, with post girdles...	1	5	11				Strong grey metal, with post girdles...	0	2	0			
Mild grey post ...	0	2	6				Soft grey metal ...	0	3	9			
Carried forward	12	5	8	40	4	11	Strong grey metal, with post girdles...	0	2	9			
							Soft grey metal ...	0	1	10			
											23	5	0
							Total ...				64	3	11

No. 2,921.—RAINTON.

TOWNSHIP OF PITTINGTON, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 48' 39", Long. 1° 28' 56".

*Account of Strata passed through in a Bore-hole below the Main Coal Seam,
at the South side of the Shaft, about three-quarters of a mile
from the No. 1 Bore-hole, Alexandrina Pit, Rainton
Colliery, 1891.—Supplementary to No. 1,589.*

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth at shaft from surface to bottom of <i>Main Coal Seam</i>				40	4	11	Brought forward	3	3	5	47	1	6
From top of scaffold to stone head ...	0	3	0				Light grey metal ...	0	1	3			
Fire-clay	0	2	4				COAL	1	9				
Strong grey post, with metal part- ings	1	0	5				Grey post	2	1				
Strong dark grey metal, with iron post girdles ...	1	0	3				COAL	1	8				
Mild grey metal, with iron post gir- dles	1	3	6								0	5	6
Strong dark grey metal, with iron post girdles ...	1	4	1				Grey metal, with post girdles	0	3	8			
COAL	0	1	0				Strong laminated post, with metal partings	1	2	10			
Clay	1	1	4				Grey metal	0	5	11			
Mild laminated post, with metal part- ings	2	2	1				Very hard grey post	0	1	2			
Carried forward	3	3	5	47	1	6	Strong grey metal ...	3	2	0			
							Dark grey metal ...	0	2	8			
							Very hard grey post	0	3	7			
							Strong grey metal, with post girdles...	1	1	5			
											8	5	3
							Total ...				60	4	11

No. 2,922.—RAISBY HILL.

TOWNSHIP OF GARSMONDWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in the No. 1 Bore-hole at Raisby Hill
Limestone Quarries, for The Raisby Hill Limestone
Company, 1899.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	9				Brought forward	12	4	9	1	1	3
Yellow clay	0	1	6				Hard brown lime-						
Brown stony clay	0	4	0				stone, with white						
				1	1	3	spar	1	1	6			
Marl	0	5	3				Hard brown lime-						
Yellow limestone	0	1	6				stone	0	3	0			
Marl, with limestone							Yellow limestone,						
girdles	1	3	9				with hard girdles	0	4	0			
White limestone,							Hard brown lime-						
with thin partings	0	3	3				stone, with thin						
Limestone, with marl							partings	0	3	6			
partings	3	5	0				Yellow limestone,						
Limestone, with hard							with thin partings	3	2	6			
girdles	1	2	6				Hard brown lime-						
Limestone, with marl							stone	1	0	6			
partings	4	0	0							20	1	9	
Hard limestone	0	1	6										
Carried forward	12	4	9	1	1	3	Total			21	3	0	

No. 2,923.—REAYGARTH.

TOWNSHIP OF BLENKINSOPP, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 54° 58' 30", Long. 2° 31' 50".

Account of Strata exposed in Angerton Quarry, Reaygarth.

Approximate surface-level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Great Limestone: bot-</i>							Brought forward	16	3	2			
tom part ...	3	0	11				<i>Four Fathoms Lime-</i>						
Plate ...	1	2	0				stone ...	7	1	9			
Quarry Hazle ...	4	3	2				Plate ...	0	0	6			
Plate ...	1	0	10				COAL ...	0	0	2			
Grey beds ...	2	3	4								23	5	7
Plate ...	2	1	11				Yellow freestone ...	”	”	”			
Till beds ...	1	3	0								”	”	”
Carried forward	16	3	2				Total ...				23	5	7

No. 2,924.—REAYGARTH.

TOWNSHIP OF BLENKINSOPP, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 54° 57' 32", Long. 2° 33' 32".

*Account of Strata passed through in a Bore-hole at Eadley Hole,
Reaygarth, 1874.*

Approximate surface-level 840 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay ...	2	4	2				Brought forward	0	5	7	23	0	3
Blue clay, with post							Blue stone ...	0	3	9			
girdles ...	0	4	6				White post ...	0	0	9			
				3	2	8	Grey beds ...	0	0	7			
Blue stone or shale ...	0	3	7				White post ...	0	1	3			
Strong grey post ...	0	2	8				Grey beds ...	0	1	2			
Blue stone ...	0	2	9				Blue metal stone ...	0	1	0			
Strong post ...	1	0	8				White post, with gul-						
Blue stone ...	0	4	6				lets and water ...	0	3	7			
Blue stone, with coal	0	1	7				Blue stone ...	0	1	5			
				3	3	9	White stone post ...	0	1	0			
Strong white post ...	0	3	5				Grey beds ...	0	4	0			
Blue stone ...	0	2	2				White post ...	0	0	9			
Strong white post ...	0	4	4				Blue stone ...	1	0	9			
Soft blue stone ...	0	0	10				White post ...	0	0	5			
Whin or hazle ...	0	2	2				Blue metal stone ...	2	0	1			
Strong grey post ...	0	3	2				Grey post ...	0	0	7			
Mild blue stone,							Blue stone ...	0	4	7			
with coal ...	0	0	10				Grey post ...	0	2	6			
				2	4	11	Blue metal stone ...	2	2	2			
Grey post ...	0	2	0				Grey post ...	0	3	0			
Strong white post ...	0	3	2				Blue metal stone,						
Mild blue stone ...	0	0	8				with coal ...	0	1	0			
Whin, with scars of											11	3	11
limestone ...	1	2	0				White post ...	0	1	4			
Strong white post ...	0	2	6				Grey beds ...	0	3	9			
Mild grey post ...	0	0	7				Grey post ...	0	5	6			
Grey post ...	0	3	0				Blue stone ...	0	3	2			
White post ...	0	3	0				COAL ...	0	0	10			
Grey post ...	0	1	6								2	2	7
White post ...	0	5	2				White post ...	0	4	6			
Grey post, with red							Blue metal stone ...	0	3	0			
girdles ...	0	2	7				White post ...	0	1	4			
Grey girdle beds ...	1	1	11				Blue stone ...	0	1	7			
White post ...	1	2	5				Hard white post ...	1	1	0			
Blue metal stone ...	0	4	5				Blue metal parting ...	0	0	2			
White post ...	0	3	0				Hard white post ...	1	2	2			
Blue stone ...	0	3	0				Grey beds ...	1	0	0			
White stone... ..	0	2	0				COAL , mixed with						
White girdle beds ...	0	2	7				slate ...	0	0	10			
Grey girdle beds ...	0	4	3								5	2	7
COAL ...	0	0	2				Grey beds ...	0	2	0			
				11	1	11	Soft grey post ...	1	1	4			
Blue stone ...	0	5	10				Hard white post ...	0	3	0			
Whin ...	0	0	5				Blue stone ...	0	0	6			
Blue stone ...	0	3	9				Strong white post ...	0	3	0			
COAL ...	0	1	0				Grey beds ...	0	3	0			
				1	5	0	Blue metal stone ...	0	5	1			
Grey post ...	0	1	7				Strong white post ...	5	1	10			
White post ...	0	1	9				Blue stone ...	0	0	6			
Whin girdles ...	0	2	3										
Carried forward	0	5	7	23	0	3	Carried forward	9	2	3	42	3	4

No. 2,924.—REAYGARTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	2	3	42	3	4	Brought forward	13	4	3	42	3	4
White post and grey beds ...	1	1	4				Strong white post ...	0	2	0			
Blue stone ...	0	1	0				White post ...	0	2	9			
Blue plate ...	1	3	0				Grey beds ...	0	5	3			
Grey post ...	0	4	2				Blue metal stone ...	0	1	0			
Hard white post ...	0	4	6								15	3	3
Carried forward	13	4	3	42	3	4	Total ...				58	0	7

No. 2,925.—REAYGARTH.

TOWNSHIP OF THIRLWALL, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 54° 58' 16", Long. 2° 33' 40".

Account of Strata sunk through at Reaygarth Colliery.

Approximate surface-level 795 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Little Limestone</i> ...	4	1	0				Brought forward	3	0	6	4	2	3
COAL ...	0	1	3				Plate ...	2	3	0			
				4	2	3	COAL ...	0	3	6			
Freestone ...	3	0	6								6	1	0
Carried forward	3	0	6	4	2	3	Total ...				10	3	3

No. 2,926.—RICKNALL GRANGE.

TOWNSHIP OF RICKNALL, DURHAM.

Sheet 43 of Ordnance Map. Lat. 54° 36' 49", Long. 1° 31' 33".

Account of Strata passed through in the No. 1 Diamond Bore-hole at Ricknall Grange, North of Aycliffe, 1874.

Approximate surface-level 290 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	21	1	6			
Clay ...	3	5	6				Sand and gravel ...	0	3	9			
Marl ...	0	1	0								21	5	3
Marl and gravel	2	4	0				Bastard limestone ...	0	0	9			
Rubble ...	0	3	6				Broken grained lime- stone ...	0	4	7			
Marl and gravel	2	1	6				Bastard limestone ...	0	1	6			
Freestone ...	0	0	6				Limestone ...	1	0	7			
Marl and gravel	9	4	6				Bastard limestone ...	0	3	8			
Sand ...	0	0	6				Broken limestone ...	8	4	0			
Marl ...	0	1	0				Yellow limestone ...	4	3	2			
Marl and gravel	0	4	6				Limestone ...	0	2	8			
Limestone and clay	0	2	0				Yellow limestone ...	7	2	0			
Marl and gravel	0	2	0										
Carried forward	21	1	6				Carried forward	23	4	11	21	5	3

No. 2,926.—RICKNALL GRANGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	23	4	11	21	5	3	Brought forward	19	1	9	56	0	8
Limestone	1	2	0			Grey post ...	...	0	5	2		
Dark limestone	5	5	8			Grey metal ...	...	1	0	0		
Yellow limestone	1	1	6			Blue metal ...	...	2	2	0		
Dark limestone	1	5	4			Dark limestone ...	...	0	2	0		
				34	1	5	Grey sandstone ...	...	0	1	0		
Fish bed	0	2	0			White post ...	...	1	3	1		
White post	1	0	0			Blue metal ...	...	4	2	11		
Dark shale	0	4	6			Dark post ...	...	1	3	11		
Dark sandstone	0	1	1			White post ...	...	1	5	4		
Dark shale	0	3	6			Blue metal ...	...	1	1	6		
Dark sandstone	3	0	5			COAL ...	...	0	0	1		
Yellow sandstone	1	1	0							34	4	9
Grey post	1	3	10			Grey post ...	...	3	3	9		
Blue metal	0	1	0			Blue metal ...	...	4	1	3		
Bastard limestone	0	4	0			Dark post ...	...	0	2	6		
White post	0	3	1			Blue metal ...	...	0	3	6		
Blue metal	1	0	10			Grey metal ...	...	3	5	10		
Blue metal, with post	...						Dark metal ...	...	1	2	11		
girdles	1	3	11			Grey post, with coal	...					
Grey post	0	4	0			pipes ...	...	1	2	5		
Blue metal	0	2	0			Grey post ...	...	1	4	0		
White post	0	2	4			Blue metal ...	...	2	3	4		
Grey metal	1	2	0			Dark post ...	...	1	0	8		
Blue metal	0	4	0			Cherty limestone, with	...					
Post	0	0	6			metal partings ...	...	1	4	0		
Blue metal	0	1	4			White post, into ...	...	2	2	9		
White post	2	4	5							25	0	11
Carried forward	19	1	9	56	0	8	Total ...	...	116	0	4		

No. 2,927.—ROACHBURN.

TOWNSHIP OF EAST FARLAM, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. $54^{\circ} 55' 53\frac{1}{2}''$, Long. $2^{\circ} 35' 49''$.*Account of Strata sunk through in the Roachburn Pumping Shaft.*

Approximate surface-level 680 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey beds	2	1	6			Brought forward	20	4	0			
Freestone	2	4	6			Plate ...	...	4	0	6		
Plate	2	4	6			<i>Little Limestone</i> ...	...	2	3	0		
Freestone	1	1	6			Freestone ...	...	3	3	0		
Plate	1	4	0			COAL ...	...	0	5	2		
Grey beds	2	3	6							31	3	8
Plate	1	1	0			Plate ...	...	0	0	4		
Freestone	4	0	0			Freestone ...	...	0	3	0		
Grey beds	2	1	6							0	3	4
Carried forward	20	4	0				Total ...	...	32	1	0		

No. 2,928.—RODRIDGE.

TOWNSHIP OF HUTTON HENRY, DURHAM.

Sheet 36 of Ordnance Map. Lat. $54^{\circ} 42' 16''$, Long. $1^{\circ} 21' 40''$.*Account of Strata passed through in a Bore-hole at South Wingate, about 400 yards South of Hartbushes Farm House, 1840.*

Approximate surface-level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay ...	7	0	6				Brought forward	0	0	6½	97	3	3½
Dry loamy clay, with thick sandy part- ings ...	2	0	6				Grey post ...	0	3	11½			
Strong blue stony clay ...	2	4	0				Grey metal ...	0	1	5			
Loamy clay, with sandy partings and water ...	6	1	0				Soft white and grey post, with metal partings and water	5	3	4½			
Strong brown clay ...	0	3	4				Strong grey post, with metal part- ings ...	1	1	3½			
				18	3	4	Mild grey post, with scamy partings ...	0	4	3½			
Soft limestone marl	2	0	4				Grey metal, with post girdles ...	1	1	11			
Soft white limestone	30	2	7				Red metal ...	0	4	11			
Strong yellow lime- stone, with water	37	5	0				Blue metal ...	0	2	0			
Strong blue lime- stone, with soft partings ...	0	4	6				Grey post ...	1	0	1½			
Strong brown sandy limestone, with water ...	4	5	1				Grey and brown metal ...	0	0	8½			
Soft yellow sandy limestone, with water ...	0	2	6				Black metal ...	0	0	9			
Strong yellow sandy limestone, with water ...	1	2	4½				Soft dark grey metal	0	0	11			
Blue limestone ...	1	1	7				COAL ...	0	0	9½	12	3	0
Grey metal ...	0	0	6½	78	5	11½	Black metal...	0	0	4			
Carried forward	0	0	6½	97	3	3½	Soft silvery metal, with grey and red partings ...	1	0	2½			
							Strong red post ...	0	2	4			
							Soft grey post, with red metal partings	1	0	3½			
											2	3	2
							Total ...	...	112	3	5½		

No. 2,929.—RYHOPE.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 14 of Ordnance Map. Lat. $54^{\circ} 52' 30''$, Long. $1^{\circ} 22' 44''$.*Account of Strata passed through in a Bore-hole below the Hutton Seam, Ryhope Colliery, 1901.—Continuation of No. 1,627.*

Approximate surface-level 174 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of <i>Hut- ton Seam</i> ...				271	4	1	Brought forward	2	3	6	271	4	1
Grey shale ...	1	1	6				Grey post, with shale partings ...	3	1	11			
Grey post, with water	1	0	0				Black stone ...	0	0	5			
Ironstone girdle ...	0	2	0				Grey shale ...	0	2	7			
							Ironstone girdle ...	0	1	1			
Carried forward	2	3	6	271	4	1	Carried forward	6	3	6	271	4	1

No. 2,929.—RYHOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	3	6	271	4	1	Brought forward	305	0	8			
Hard grey post, with ironstone balls ...	1	1	4				Grey shale ...	0	0	6			
Ironstone girdle ...	0	2	7				Hard grey post ...	0	3	5			
Grey post ...	3	4	10				Grey shale ...	0	3	0			
Dark grey shale ...	0	2	10				Hard grey post, with water ...	1	0	6			
Grey post ...	1	0	3				Dark grey shale, with post girdles ...	0	4	10			
Grey post, with shale partings ...	1	4	6				Hard grey post ...	0	1	4			
Hard grey post ...	1	4	4				Grey post, with shale partings ...	1	3	4			
Grey shale ...	0	5	3				Grey post, with shale partings and thin coal threads ...	0	0	6			
Hard grey post ...	2	3	0				Grey post, with shale partings ...	2	1	6			
Grey post, with shale partings ...	1	2	0				Hard grey post ...	0	5	2			
Grey post, with ironstone balls ...	0	1	9				Dark grey shale ...	0	1	2			
Grey post, with shale partings ...	0	2	6				Hard grey post ...	1	3	6			
Grey shale, with ironstone balls ...	2	5	6				Grey post, with shale partings ...	1	3	0			
Hard grey post ...	5	5	6				Strong grey shale ...	0	5	6			
Hard grey post, with shale partings ...	1	3	0				Grey post, with shale partings ...	3	0	6			
Ft. In.	0	5					Black stone, with thin coal pipes near top ...	0	3	0			
COAL ...	0	2					Grey post ...	0	5	8			
COAL, canal ...	0	1					Grey shale ...	1	0	0			
Grey metal ...	0	1					Hard grey post ...	0	3	0			
COAL ...	1	4					Grey shale ...	0	3	1			
Band ...	0	0½					Grey post, with shale partings ...	1	2	0			
COAL ...	1	6					Hard white post, into	0	4	3			
COAL, coarse ...	0	2											
Black stone, mixed with coal ...	0	2½											
				0	3	11					20	4	9
				33	2	7							
Carried forward				305	0	8	Total ...				325	5	5

No. 2,930.—RYHOPE.

TOWNSHIP OF RYHOPE, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 52' 30", Long. 1° 22' 44".

Account of Strata sunk through in a Staple put down below the Hutton Seam at Ryhope Colliery, 1905.—Supplementary to No. 1,627.

Approximate surface-level 174 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth at shaft to bottom of Hutton Seam ...				271	4	1	Brought forward	7	0	10	271	4	1
Strata ...	0	3	6				Black shale ...	0	1	6			
Grey metal, with iron balls ...	6	3	4				Black stone and coal ...	0	1	8			
							Seggar-clay ...	0	1	9			
							Mild grey post ...	1	3	6			
							Hard grey post ...	0	4	6			
Carried forward	7	0	10	271	4	1	Carried forward	10	1	9	271	4	1

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	1	9	271	4	1
Mild grey post	...	1	3	0		
Black stone and shale	...	0	3	6		
Grey metal	...	2	1	6		
Blue metal, with iron balls	...	0	3	0		
COAL	...	0	0	6		
				15	1	3
Thill stone	...	0	0	7		
Seggar-clay	...	0	1	0		
Blue metal	...	0	2	0		
Strong grey metal	...	0	4	5		
Blue metal	...	0	4	8		
COAL	...	0	0	9		
				2	1	5
Coarse seggar-clay	...	0	1	0		
Grey metal, with post girdles	...	2	3	0		
Blue metal	...	0	5	6		
Grey metal, with post girdles	...	0	3	0		
Blue metal	...	1	0	9		
Strong grey metal	...	3	4	1		
Post panel	...	0	3	9		
Blue metal	...	0	0	3		
COAL	...	0	0	3		
				9	3	7
Seggar-clay	...	0	3	9		
Post	...	0	2	3		
Blue metal	...	0	3	2		
Grey metal	...	0	1	11		
Grey post	...	0	4	4		
Blue metal	...	0	2	6		
Harvey Seam—						
COAL	...	2	4			
Black stone	...	0	2			
Car. forward	2	6	2	5	11	298 4 4

	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Bro. forward	2	6	2	5	11	298	4	4
COAL, cannel	...	0	3					
COAL	...	3	2					
				0	5	11		
							3	5
Thill	...	0	1	0				
Seggar-clay	...	0	2	0				
Blue metal	...	0	2	0				
White post	...	4	0	0				
Blue metal	...	1	4	6				
White post	...	4	2	9				
Busty Seam—								
COAL	...	1	2					
Blue metal	...	1	0					
COAL, mixed with black band	...	0	9					
Grey post	...	3	0					
COAL	...	1	2					
				1	1	1		
							12	1
Grey metal	...	1	3	0				
White post	...	1	2	6				
Hard grey post	...	0	2	0				
Grey metal, with coal pipes	...	6	0	5				
Blue metal	...	2	3	10½				
Brockwell Seam—								
COAL	...	1	0¾					
Band	...	0	11					
COAL	...	1	9¾					
				0	3	9½		
							12	3
Thill stone	...	0	0	6				
White post, into	...	1	3	6				
							1	4
								0
Total	329	1	1			

TOWNSHIP OF DAWDON, DURHAM.

Account of Strata passed through in a Bore-hole at the Blast Furnaces, near Seaham Harbour, 1898.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay	1	0	0				Brought forward				1	4	0
Sand and gravel ...	0	4	0				Limestone, with marl						
				1	4	0	partings	4	5	6			
Carried forward				1	4	0	Carried forward	4	5	6	1	4	0

No. 2,931.—SEAHAM HARBOUR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	5	6	1	4	0	Brought forward	34	1	1	1	4	0
Marl	9	1	6				Yellow limestone,						
Limestone, with marl							with marl partings	3	3	2			
partings	3	3	0				Soft yellow marl ...	0	4	6			
Very hard limestone	2	3	0				Hard grey metal ...	0	4	2			
Hard marl	2	1	0				Hard limestone ...	2	1	8			
Soft marl	5	2	6				Very hard limestone,						
Hard limestone ...	2	1	6				with spar partings	6	3	7			
Limestone, with marl							Soft limestone and						
partings	1	0	6				marl	0	4	6			
Grey marl	0	3	8				Hard limestone ...	0	3	9			
Red marl	0	1	5				Broken limestone,						
Yellow limestone,							into	1	0	9			
with marl partings	0	3	6								50	3	2
Soft limestone ...	1	4	0										
Carried forward	34	1	1	1	4	0	Total				52	1	2

No. 2,932.—SEATON CAREW.

TOWNSHIP OF SEATON CAREW, DURHAM.

Sheet 45 of Ordnance Map. Lat. 54° 39' 51", Long. 1° 11' 45".

*Account of Strata passed through in a Diamond Bore-hole near Seaton Carew,
by Mr. John Vivian, for Mr. C. T. Casebourne, 1887-1888.*

Approximate surface-level 20 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay	1	0	0				Brought forward	29	1	0	5	3	0
Red clay	1	0	0				Red marl, with blue						
Red pinnel and							joints and beds of						
cobbles*	1	0	0				grey sandstone ...	4	0	0			
Soft red sandy marl	2	0	0				Red marl, with beds						
Red sandy marl ...	0	3	0				of grey marl ...	5	3	0			
				5	3	0	Red marl, with blue						
<i>Red Sandstones and</i>							joints	4	0	0			
<i>Marls:</i>											42	4	0
Red and grey sand-							<i>Lower Gypseous</i>						
stone	1	1	0				<i>Marls:</i>						
Red marl	0	2	0				Red marl, with blue						
Grey sandstone ...	0	5	0				joints and veins of						
Red marl, with beds							gypsum	28	3	0			
of sandstone ...	1	4	0				Red marl, with veins						
Red sandstone ...	3	2	0				of gypsum	1	1	5			
Grey sandstone ...	0	2	0				Anhydrite	2	1	0			
Red sandstone ...	2	1	0				Blue marl, with						
Grey sandstone ...	0	1	0				veins of gypsum...	0	3	0			
Red sandy marl ...	7	5	0								32	2	5
Red and grey sand-							<i>Saliferous Beds:</i>						
stone	1	4	0				Anhydrite	0	1	0			
Red marl	2	3	0				Red marl, with veins						
Red marl, with beds							of gypsum (rotten						
of grey and red							marl)	1	4	0			
sandstone	1	2	0				Dark marl and gyp-						
Red marl, with blue							sum, mixed	0	2	7			
joints	5	5	0										
Carried forward	29	1	0	5	3	0	Carried forward	2	1	7	80	3	5

No. 2,932.—SEATON CAREW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	1	7	80	3	5	Brought forward	123	0	0	87	0	0
Anhydrite, with black joints ...	4	1	0				Light grey limestone, with a little gypsum ...	3	5	0			
				6	2	7	Dark grey limestone, with gypsum ...	2	5	6			
<i>Magnesian Limestone and Lower Red Sandstone:</i>							Dark grey limestone, with veins of gypsum ...	3	1	6			
Limestone, with spots of gypsum ...	4	3	0				Dark limestone, with spots of gypsum ...	6	4	0			
Light grey limestone, with spots and veins of gypsum ...	6	2	0				Dark grey limestone	6	4	0			
Dark grey limestone, with spots and veins of gypsum ...	2	4	0				Dark grey shaly sandstone ...	1	4	0			
Dark blue shale (with small feeder of rock oil and sulphur water) ...	0	3	0							148	0	0	
Anhydrite, with beds of dark blue shale and gypsum ...	5	5	0				<i>Carboniferous Measures:</i>						
Light grey limestone and gypsum	1	1	0				Red and grey shaly sandstone ...	2	5	6			
Blue shale ...	0	2	0				Black shale ...	0	0	6			
Light grey limestone	1	5	0				Dark grey shale ...	0	1	0			
White limestone ...	15	0	0				Dark grey sandstone	0	1	0			
Hard white limestone, with gypsum	2	0	0				Grey sandstone, with black joints ...	5	0	0			
Dark grey limestone and anhydrite ...	3	2	0				Grey sandstone ...	1	4	0			
Light grey limestone, with gypsum ...	3	0	0				Very coarse grey sandstone ...	2	3	0			
Light grey limestone	4	5	0				Dark grey sandstone	0	0	6			
Limestone and gypsum, mixed	5	1	0				Black shale ...	0	0	6			
Grey limestone, with gypsum ...	1	5	0				Red and grey sandstone ...	0	1	7			
Light grey limestone and gypsum ...	5	3	0				Black shale ...	2	0	4			
Light grey limestone	8	2	0				Shaly sandstone ...	0	2	6			
Light grey limestone, with spots of gypsum ...	7	3	0				Black shale ...	1	4	0			
White limestone ...	17	5	0				Grey sandstone ...	0	4	0			
Light grey limestone	3	5	0				Dark grey sandy shale ...	0	0	7			
Broken light grey limestone and brine spring ...	3	5	0				COAL ...	0	0	10			
Light grey limestone	1	3	0				Dark brown fire-clay	0	1	2			
Light grey limestone, with spar cavities	1	3	0				Black sandy shale ...	0	2	8			
Light grey limestone	1	1	0				Dark grey sandy shale ...	0	1	8			
White limestone ...	13	4	0				White sandstone ...	4	2	8			
Carried forward	123	0	0	87	0	0	Dark grey sandstone	0	5	0			
							Light grey sandstone	2	0	8			
							Dark shaly sandstone, with coal joints ...	0	1	4			
							Black shale ...	1	3	6			
							COAL ...	0	1	2			
							Dark black shale and fire-clay ...	0	0	4			
							White and grey sandstone ...	1	0	0			
							Black shale ...	1	2	0			
							Fine grey sandstone	1	0	0			
							Dark grey sandstone	0	3	6			
							Black shale ...	1	1	0			
							Carried forward	33	2	6	235	0	0

No. 2,932.—SEATON CAREW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	33	2	6	235	0	0
Black shale, with beds of dark grey sandstone	1	0	6		
Black shale	1	0	0		
Black shale, with beds of grey sand- stone	1	1	11		
COAL and shale	0	0	1		
Dark brown fire-clay	...	0	2	0		
Dark grey sandstone	...	1	0	0		
Dark shaly sandstone	...	0	5	0		
Yellowish sandstone	...	1	2	9		
Coarse light grey sandstone	2	4	6		
Hard yellowish sand- stone, with lime veinule	0	2	3		
Coarse light grey sandstone	0	3	6		
Coarse grey sand- stone	0	1	6		
Dark grey shaly sandstone	0	1	6		
Black shale	1	2	0		
Carried forward	46	0	0	235	0	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	46	0	0	235	0	0
Dark grey sandy shale	0	3	0		
Dark blue shale	1	1	0		
Black shale	0	4	0		
Dark brown shale	0	3	0		
Grey shaly sandstone	...	1	4	0		
Coarse grey sand- stone, with <i>coal</i> pipes	4	0	0		
Dark grey shaly sandstone	0	5	0		
Yellowish shaly sand- stone	1	0	0		
Dark shaly sand- stone	1	2	0		
Black shale	4	0	0		
Grey sandstone, with beds of black shale	...	1	4	0		
Coarse grey sand- stone, with black joints	1	4	0		
Grey sandstone	...	2	2	6		
				67	2	6
Total	302	2	6		

* Pinnel is coarse clayey gravel.

No. 2,933.—SEATON DELAVAL.

TOWNSHIP OF HORTON, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 6' 0", Long. 1° 32' 21".

Account of Strata sunk through in the Relief Pit, Seaton Delaval Colliery, 1884-1885.

Approximate surface-level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay, with sandy part- ings	5	4	0			Brought forward				19	2	4
				5	4	0	Grey and dark metal, with scars of coal ...	2	2	4			
Grey metal, with post girdles	4	1	9			COAL , with water...	0	2	6			
COAL , foul	0	0	3							2	4	10
Grey metal, with post girdles	4	1	0			Dark grey metal ...	0	3	8			
COAL	0	1	1			Dark grey metal, with whin girdle...	8	5	4			
				8	4	1	Grey post, with metal partings ...	8	2	10			
Grey metal, with post girdles	3	2	0			Strong white post, with coal pipes ...	3	4	5			
Dark grey metal	1	3	0			Blue metal ...	0	5	10			
COAL	0	1	3			Strong white post, with coal pipes ...	2	0	5			
				5	0	3							
Carried forward				19	2	4	Carried forward	24	4	6	22	1	2

No. 2,933.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	24	4	6	22	1	2	Brought forward	57	0	0			
Dark blue metal ...	3	2	7				Seggar-clay ...	0	3	8			
Dark grey metal ...	1	1	0				Whin girdle ...	0	1	6			
White post, with blue metal partings ...	5	0	2				Grey post, mixed with blue partings ...	0	5	0			
Yard Seam—											1	4	2
COAL ...	0	2	7										
				34	4	10							
Carried forward				57	0	0	Total ...				58	4	2

No. 2,934.—SEDFIELD.

TOWNSHIP OF SEDFIELD, DURHAM.

Sheet 43 or 44 of Ordnance Map. Lat. , Long.

Account of Strata sunk and bored through in the Well at Sedfield Asylum, by Mr. William Coulson, 1866.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	20	0	0			
Soil, clay and free-stone ...	15	0	0				Hard limestone, with soft partings and a gullet near the bottom, with water	0	4	11			
Limestone ...	2	4	0				Hard duffy limestone, with soft partings ...	2	1	6			
<i>Bored further:—</i>											23	0	5
Hard limestone, with soft partings ...	1	1	7										
Soft marl, with hard girdles and three gullets, with water	1	0	5				Total ...				23	0	5
Carried forward	20	0	0										

No. 2,935.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 4", Long. 1° 32' 53".

Account of Strata sunk through in the Major Pit, Seghill Colliery, 1888.

Approximate surface-level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	3	11	12	4	4
Brown clay ...	11	1	9				Blue metal ...	0	2	9			
				11	2	9	<i>High Main Seam—</i>						
Grey metal ...	1	0	4				COAL ...	0	2	0			
COAL ...	0	1	3								2	2	8
				1	1	7	Seggar-clay ...	0	5	6			
Seggar-clay ...	0	2	0				Blue metal ...	1	3	10			
Iron balls ...	0	0	4				Hard metal ...	1	0	0			
Seggar-clay ...	1	1	7				Blue metal ...	2	0	0			
Carried forward	1	3	11	12	4	4	Carried forward	5	3	4	15	1	0

No. 2,936.—SHERIFF HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				66	3	10	Brot. forward	1	6½	10	3	3	90	1	6¼
Thill ...	0	5	0				COAL ...	0	11½						
Blue metal stone ...	1	4	0				COAL, seary ...	0	3						
Grey metal stone ...	0	4	0				Band ...	1	7½						
Light grey metal stone ...	1	4	0				COAL ...	1	5						
Dark grey metal stone ...	0	3	0				Band ...	0	0½						
COAL ...	0	0	5				COAL ...	0	6						
				5	2	5				1	0	4			
Thill ...	1	2	0				Thill ...	0	2	0					
Grey post ...	1	3	0				Grey metal stone ...	1	2	0					
White post ...	0	2	0				White post ...	1	2	4					
Grey metal stone ...	0	1	0				Whin and post, mixed ...	0	4	0					
Grey post ...	1	4	7				Grey metal ...	0	3	0					
Metal Coal Seam—							Blue metal stone ...	0	4	2					
COAL ...	0	1	7				Six-Quarter Seam—								
				5	2	2	COAL ...	0	4	4					
Thill ...	0	4	0							5	3	10			
Blue stone, mixed with post girdles	0	3	0				Thill ...	0	1	10					
Stone Coal Seam—							Blue stone and grey metal ...	0	2	6					
COAL ...	0	1	3				White post ...	0	5	6					
				1	2	3	Whin ...	0	1	0					
Thill ..	0	1	0				Grey post ...	1	0	0					
Strong white post, with partings ...	1	2	0				Grey metal stone ...	1	0	0					
Strong grey metal ...	2	1	0				Five-Quarter Seam—								
Whin and post, mixed ...	0	2	0				COAL ...	0	3	2					
Strong grey metal ...	1	5	0							4	2	0			
Whin ...	0	4	6				Thill ...	0	1	6					
Blue metal ...	3	4	4				Blue stone ...	0	3	0					
Yard Coal Seam—							Grey metal ...	0	1	6					
COAL, top	2	0					Grey post ...	0	4	0					
Band ...	0	11					White post ...	0	3	0					
Grey metal...	0	10					Grey post ...	0	5	0					
COAL, good	0	11					White post ...	0	4	0					
Band ...	0	1					COAL ...	0	0	9					
COAL, hot-tom ...	2	3¼								3	4	9			
				1	1	0¼	Thill ...	0	2	5					
				11	2	10¼	White post ...	1	5	10					
Thill and grey metal	0	4	0				Whin and post, mixed ...	1	2	0					
White post ...	0	3	0				White post ...	0	4	0					
Grey metal, with thin girdles ...	1	5	0				Grey metal stone ...	0	4	0					
Black stone ...	0	2	6				Grey post girdles ...	0	1	5					
Grey metal, with whin girdles ...	4	3	6				Grey metal stone ...	0	1	5					
Whin ...	0	1	0				Grey metal, with post girdles ...	0	3	3					
Grey metal stone, with girdles ...	2	2	3				Blue metal stone ...	0	2	2					
Bensham Seam—							Low Main Seam—								
COAL, top	1	6					COAL ...	0	5	2					
Band ...	0	0¼								7	1	8			
Car, forward	1	6½	10	3	3	90	Snk further to Beaumont Seam (see No. 1,744) ...						23	1	4¾
							Total ...						146	0	9

No. 2,937.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 54", Long. 1° 39' 15".

Account of Strata sunk through at Shildon Lodge Colliery, 1861.

Approximate surface-level 460 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loamy soil ...	0	1	0				Brought forward				37	3	0
Loamy brown clay...	1	1	6				Fire-clay ...	0	3	0			
Brown and blue clay, mixed with coal ...	1	1	6				Grey metal stone, with scares of post, and water ...	3	0	0			
Rubble brown post...	1	5	0				Light post, with about 15 gallons of water per minute	0	3	6			
				4	3	0	Strong grey metal stone ...	3	2	4			
Good freestone post	5	0	0				Strong light grey post, with 310 gal- lons of water per minute ...	4	1	4			
Grey metal stone, with thin post girdles ...	4	0	0				COAL ...	0	0	4			
Mild grey post, in- clining to metal stone ...	4	0	0								11	4	6
Strong post ...	5	2	6				Strong grey metal stone, with post girdles ...	2	1	0			
Very soft argillaceous metal ...	0	1	0				Hard white post, with whin, and 50 gallons of water per minute ...	0	4	0			
Low Main Seam— COAL ...	0	3	0	19	0	6	Dark grey metal ...	0	2	0			
Strong fire-clay ...	0	2	9				COAL, coarse ...				3	1	8
Grey post girdle ...	0	0	7										
Dark grey metal, with thin post gir- dles ...	0	3	8				Grey metal, with hard post girdles...	2	3	0			
Dark grey metal, with shell bed at bottom ...	0	3	6				Strong grey post, with whin, and 68 gallons of water per minute ...	0	3	0			
Very dark blue metal, with thin post girdles ...	1	1	0				Dark grey metal ...	4	3	9			
Light grey metal, with nodules of ironstone, and water ...	3	1	2				COAL ...	0	0	1			
Grey metal, with scares of coal, and a little water ...	2	2	0								7	3	10
Dark grey metal stone ...	1	4	0				Grey metal stone ...	1	3	0			
Grey metal stone, with large nodules of ironstone in the upper part and scares of post in the bottom part ...	3	3	0				Dark metal stone, with coarse nodules of ironstone ...	3	3	8			
Supposed Hulton Seam—							Strong grey metal stone, with post girdles ...	1	0	2			
COAL, with 100 gallons of water per minute ...	0	1	10				Light grey post, with 80 gallons of water per minute	2	5	0			
				13	5	6	Yard Coal or Beaumont Seam—						
Carried forward				37	3	0							

	Ft.	In.
COAL ...	0	2
Band ...	0	2
Car. forward	0	4 8 5 10 60 1 0

No. 2,937.—SHILDON.—CONTINUED.

	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brot. forward	0	4	8	5	10	60	1	0							
COAL , with 350 gallons of water per minute	2	10								Brought forward	3	4	0	97	1 10
			0	3	2					Dark grey metal stone ...	0	4	8		
						9	3	0		Hard white post ...	1	0	0		
Fire-clay ...			0	2	0					COAL ...	0	0	4		
Grey metal ...			0	4	0									5	3 0
White post ...			4	2	0					Fire-clay ...	0	2	0		
Brown whin ...			0	2	0					Dark grey metal ...	1	3	0		
Hard white post ...			9	4	0					Grey post, mixed with whin ...	1	1	5		
Grey metal stone ...			1	2	0					Blue metal ...	0	3	7		
Blue metal stone ...			0	3	8					COAL , splint ...	0	0	2		
COAL , coarse ...			0	0	4									3	4 2
						17	2	0		Dark metal, with post girdles ...	1	5	7		
Dark blue metal, with post girdles	1	4	3							COAL , good ...	0	1	0		
COAL , with a little water ...	0	2	9											2	0 7
						2	1	0		Strong fire-clay ...	0	3	0		
Grey metal stone ...	1	2	0							Grey metal stone ...	0	3	8		
Blue metal stone ...	4	2	0							Blue metal, mixed with balls of iron- stone ...	1	2	0		
COAL , with 3 inches of splint at bot- tom ...	0	2	10							COAL , good ...	0	1	0		
						6	0	10						2	3 8
Strong fire-clay ...	0	2	0							Strong fire-clay, very coarse ...	0	3	0		
Grey post, with metal partings ...	1	1	2							White post ...	2	0	0		
COAL , with a little water ...	0	2	10							White post, with metal partings ...	2	3	11		
						2	0	0		<i>Brockwell Seam</i> — COAL , with 50 gallons of water per minute ...	0	5	4		
Strong fire-clay ...	0	2	0											6	0 3
Blue metal, with post girdles ...	0	3	0							Grey post, with part- ings ...	1	2	4		
White post, with metal partings ...	2	5	0											1	2 4
Carried forward	3	4	0	97	1	10				Total ...				118	3 10

No. 2,938.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole near Shincliffe Colliery, 1840.
Approximate surface-level 303 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	2	4			
Yellow clay ...	0	1	0				Soft blue clay ...	0	1	0			
Blue clay ...	0	3	6				Brown sand ...	0	1	6			
Yellow sand ...	0	1	0				Blue clay, rather loamy ...	0	2	0			
Soft brown clay ...	0	0	6				Yellow sand ...	0	1	3			
Yellow sand ...	0	1	4										
Carried forward	1	2	4				Carried forward	2	2	1			

No. 2,938.—SHINCLIFFE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	2	1				Brought forward	19	0	7				
Very strong blue clay, with stones...	2	1	10				Strong blue clay ...	1	4	0				
Fine sand and loam	0	4	10				Fine leafy clay ...	3	3	4				
Loam ... ..	...	0	1	7			Strong stony blue clay ... ..	...	0	2	0		
Sand and loam	...	0	5	6			Loamy clay ... ..	...	0	4	5		
Loam ... ..	...	0	4	4			Loam ... ..	...	1	3	6		
Sand and loam	...	4	4	10			Fine loamy sand ...	...	1	2	8		
Fine sand ... ..	...	2	1	10			Wet sand ... ..	...	0	1	5		
Fine leafy clay ...	...	1	2	1			Clay, with tumbling stones ... ..	...	1	0	5		
Strong stony clay ...	...	2	5	1							29	4	4
Wet sand ... ..	...	0	1	4			Blue metal stone ...	...	0	1	0		
Soft brown clay	0	0	5								0	1	0
Sharp sand, wet	0	0	2										
Loam	0	0	8										
Carried forward	19	0	7				Total	29	5	4			

No. 2,939.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 44' 46", Long. 1° 32' 1".

Account of Strata passed through in a Diamond Bore-hole at Bowburn, near Shincliffe, 1905.

Approximate surface-level 325 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and cobbles ...	8	5	6				Brought forward	0	4	9	36	1	3
Brown clay ...	0	3	0				Dark grey shale ...	1	1	6			
Loam ...	0	0	9				Grey sandy shale ...	0	5	10			
Brown clay ...	0	1	9				White post, with sandstone girdles	4	3	5			
Blue clay ...	0	1	7				Blue metal ...	0	3	6			
Brown loamy clay...	1	1	3				White post ...	3	5	3			
Loam ...	0	3	3				COAL ...	0	0	7			
Brown loamy clay...	0	0	8								12	0	10
Sandy brown clay ...	4	0	4				Seggar-clay ...	0	0	8			
Brown clay ...	0	4	6				Grey shale ...	0	3	10			
Loamy sand ...	1	0	1				Grey shale, with sandstone girdles	2	2	6			
Sand and loam ...	2	1	7				Grey sandy shale ...	1	4	2			
Sand ...	0	3	6				Grey shale, with sandstone girdles	3	3	8			
Sand, mixed with coal ...	0	2	3				Grey shale, with clay partings	0	3	1			
Loamy sand ...	0	1	0				Black shale ...	0	1	1			
Brown clay ...	0	3	0				Seggar post ...	0	1	8			
Loamy sand ...	0	3	9				Grey shale, with post partings	1	0	0			
Brown clay ...	8	5	3				Black shale ...	0	0	7			
Brown loamy clay...	0	3	0				COAL , good	0	0	8			
Sand ...	1	1	1								10	3	11
Sand and loamy clay	0	3	0				Dark grey shale ...	0	2	9			
Clay, with sandstone cobbles ...	2	5	2				Black shale ...	0	1	7			
				36	1	3	Carried forward	0	4	4	59	0	0
Grey shale, with sandstone girdles	0	4	9										
Carried forward	0	4	9	36	1	3							

No. 2,939.—SHINCLIFFE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	4	4	59	0	0	Brought forward	16	4	10½	69	3	10½
Grey sandstone, with shaly bands	...	3	3	8			Black shale	...	0	0	8		
<i>Low Main Seam—</i>							Seggar-clay	...	0	4	8		
COAL	...	0	1	10½			Grey shale	...	0	2	0		
				4	3	10½	Grey shaly sandstone	...	0	4	0		
Seggar-clay	...	0	0	10½			Grey sandstone, with shale bands	...	1	5	1		
Grey metal, with ironstone nodules	...	0	3	6			Grey shale, with sandy bands and ironstone	...	1	0	0		
Grey post, jointy	...	4	4	4			Black shale	...	0	0	6		
<i>Hutton Seam—</i>							Grey sandy shale	...	0	1	3		
COAL	...	2	6½				Grey shaly sandstone	...	0	3	0		
COAL, splint	...	0	5				Grey sandy shale	...	0	5	0		
COAL	...	0	4				Black shale	...	0	0	5		
				0	3	3½	<i>Harvey Seam—</i>						
				6	0	0	COAL	...	0	1	8		
Seggar-clay	...	0	1	7½							23	3	1½
Blue shale, with ironstone balls	...	0	3	0			Seggar-clay	...	0	2	8		
Grey shaly sandstone	...	0	1	3			Grey shale, with ironstone balls	...	1	2	11		
Grey post	...	0	4	11			Black shale	...	0	0	1		
Grey shaly post	...	0	4	6			Grey sandy shale	...	0	0	4		
Grey post	...	0	1	2			Seggar-clay	...	1	0	3		
Grey shaly post	...	0	1	11			Black shale	...	0	0	4		
Grey post	...	0	0	10			Sandy seggar-clay	...	0	1	1		
Whin, basalt	...	0	2	0			COAL	...	0	0	6		
Grey sandstone	...	0	0	3							3	2	2
Whin, softer	...	0	0	3			Seggar-clay	...	0	5	5		
Black shale	...	0	2	2			Grey shale, with sandstone partings	...	0	5	0		
Black <i>coaly</i> shale	...	0	0	5			Grey sandstone	...	3	1	3		
Grey shale	...	0	3	8			Coarse sandstone	...	1	1	2		
Grey shale, with ironstone bands	...	0	1	5			Grey sandstone	...	0	0	9		
Grey shale	...	0	1	6			Grey sandy shale	...	0	2	3		
Grey shale, with ironstone balls	...	1	0	0			Grey sandstone	...	6	4	10		
Grey sandstone	...	0	1	1			COAL	...	0	0	10		
Grey shaly sandstone	...	0	1	8							13	3	6
Grey shale, with sandstone partings	...	1	4	7			Seggar-clay, with ironstone balls	...	0	3	6		
Grey sandstone	...	0	4	9			Grey sandy shale	...	1	0	11		
Grey shaly sandstone	...	0	2	5			Grey sandstone	...	0	1	4		
Grey shale, with sandstone partings	...	0	2	3			Grey sandy shale	...	3	1	0		
Grey shale	...	0	1	4			<i>Busty Seam—</i>						
Soft black shale	...	0	0	2			COAL	...	2	0			
Grey shale	...	0	4	6			Plate band	...	0	1½			
Grey sandstone	...	0	4	1			COAL	...	0	4			
Grey shale, with sandstone partings	...	2	2	8			Seggar-clay band	...	0	3			
Grey sandy shale	...	0	1	8			COAL	...	2	1½			
Grey shale, with sandy bands	...	0	3	9							0	4	10½
Black shale	...	0	1	3							5	5	7½
Grey shale, with sandy bands	...	1	3	10			Soft seggar-clay	...	0	0	9½		
							Posty seggar-clay	...	0	4	0		
											0	4	9½
Carried forward	16	4	10½	69	3	10½	Total	...	116	5	1		

No. 2,940.—SHIREMOOR.

TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 1' 57", Long. 1° 30' 35".

Account of Strata sunk through below the High Main Seam in the Algernon Pit, Shiremoor Colliery, 1892.

Approximate surface-level 225 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of <i>High Main Seam</i> ...				44	3	0	Brought forward	1	5	2	59	1	11
Clay and blue stone ...	1	3	6				Grey metal, with white post girdles	5	2	0			
Mild grey post ...	1	0	6				Strong post girdles	0	4	2			
Blue clay ...	0	0	4				Blue metal ...	3	1	2			
Strong grey post ...	0	3	8				COAL ...	Ft. In. 1 7½					
Plate ...	0	0	2				Band ...	0	6				
Strong grey post ...	0	4	4				COAL , coarse	0	6½				
Mild grey post ...	0	4	0						0	2	8		
Blue plate ...	1	3	0								11	3	2
Post girdles ...	0	5	2				Stone ...	0	3	10			
Grey post ...	0	2	6				<i>Yard Seam</i> —						
Blue plate ...	0	4	4				COAL ...	0	2	10			
<i>Metal Coal Seam</i> —											1	0	8
COAL ...	0	2	7				Seggar-clay ...	0	4	3			
				8	4	1	Blue plate ...	2	1	0			
Fire-clay ...	0	1	7				Grey post, with brown whin	1	3	6			
Grey metal, with post girdles	3	5	11				Grey post ...	1	0	0			
Blue plate ...	1	4	5				Blue plate ...	3	5	0			
							<i>Bensham Seam</i> —						
COAL , splint	Ft. In. 0 2½						COAL ...	Ft. In. 2 5					
COAL ...	0 8½						Band ...	0 3½					
				6	0	10	COAL ...	1 7					
Seggar-clay ...	0	1	2						0	4	3½		
White post, with whin	1	4	0								10	0	0½
Carried forward	1	5	2	59	1	11	Total ...				81	5	9½

No. 2,941.—SILKSWORTH.

TOWNSHIP OF SILKSWORTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 52' 48", Long. 1° 24' 50".

Account of Strata passed through in a Bore-hole below the Hutton Seam, near the Downcast Shaft at Silksworth Colliery, 1887.—Continuation of No. 1,822.

Approximate surface-level 240 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of <i>Hutton Seam</i> ...				290	0	5½	Brought forward	19	0	5	290	0	5½
To bottom of pipe ...	0	3	3				Dark grey shale	1	1	9			
Grey shale ...	6	1	8				Grey shale ...	0	4	4			
Grey post ...	12	1	6				Soft grey post	2	1	3			
							Dark grey post	4	1	0			
							Grey shale ...	2	5	2			
Carried forward	19	0	5	290	0	5½	Carried forward	30	1	11	290	0	5½

No. 2,941.—SILKSWORTH.—CONTINUED.

Brought forward						Brought forward					
Ft. In.			Ft. In.			Ft. In.			Ft. In.		
30	1	11	290	0	5½	2	3	3	353	2	5½
<i>Harvey Seam—</i>						COAL					
										
						0 0 1					
						2 3 4					
COAL and						Grey shale					
black stone						... ..				
0 3						0 4 10					
COAL						COAL , with black					
2 7						stone					
0 2 10						... ..				
30 4 9						0 0 8					
Grey shale						0 5 6					
... ..						Coarse dark grey					
2 0 11						seggar-clay					
White post ... ..						... ..
1 4 5						0 0 10					
COAL						Grey shale					
0 0 6						... ..				
3 5 10						0 3 2					
Grey shale, with post						Grey post, with shale					
girdles						partings					
3 4 1						... ..				
<i>Top Busty Seam—</i>						0 4 10					
						Strong grey post					
										
						12 0 2					
COAL						Grey shale					
0 3						... ..				
Grey shale... ..						1 4 1					
0 4						Grey post					
COAL ... ..						... ..
1 5						0 5 1					
0 2 0						Grey shale					
4 0 1						3 1 7					
Grey shale						Grey shale, with post					
1 4 6						partings					
Strong grey post						0 4 0					
7 1 4						Grey post, with shale					
<i>Bottom Busty Seam—</i>						partings					
						1 1 6					
						Grey post					
						2 0 0					
						Grey shale					
						0 0 11					
COAL						COAL , rather coarse					
2 2						... ..				
Shale band... ..						0 1 2					
0 1						23 3 4					
COAL						Coarse seggar-clay... ..					
0 5						... ..				
0 2 8						0 1 6					
9 2 6						Grey shale					
Grey shale						1 0 4					
3 4 1						Black stone, with a					
COAL						little coal					
0 1 9						0 0 10					
3 5 10						1 2 8					
Grey shale						Grey shale					
0 4 2						3 1 8					
Very coarse grey						Mild grey post					
post						1 2 8					
10 2 0						Coarse grey post					
COAL , coarse						2 0 10					
0 0 10						Grey shale					
11 1 0						0 1 10					
Soft grey shale						Grey post, with shale					
0 1 0						partings					
Hard grey shale						1 3 2					
0 1 7						Grey shale					
Grey post, with shale						0 5 6					
partings						Very soft dark grey					
1 3 4						shale					
Grey shale						0 0 10					
0 3 4						Soft black shale,					
Carried forward						with a little coal...					
2 3 3 353 2 5½						0 1 4					
						9 5 10					
						Grey shale					
						0 2 1					
						0 2 1					
						Total					
						...392 1 2½					

No. 2,942.—SILKSWORTH.

TOWNSHIP OF SILKSWORTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 52' 59", Long. 1° 24' 20".

Account of Strata passed through in a Bore-hole on Low Newport Farm, Silksworth, 1867.

Approximate surface-level 208 feet above sea (Ordnance datum).

Brought forward						Brought forward					
Ft. In.			Ft. In.			Ft. In.			Ft. In.		
0	1	0	0	1	0	0	3	0	0	3	0
Soil						Marl					
0 1 0						0 4 0					
Clay						Carried forward					
0 2 0						1 1 0					
Carried forward											
0 3 0											

No. 2,942.—SILKSWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	0				Brought forward	47	1	8	3	4	0
Clay or marl ...	2	3	0				Dark grey metal ...	0	2	1			
				3	4	0	Strong light coloured						
Hard light coloured							limestone ...	1	4	2			
limestone, with							Dark grey metal ...	0	1	10			
soft scamy part-							Hard crust ...	0	0	6			
ings, and water at							Mild blue post ...	0	0	10			
27 fathoms ...	23	4	0				Strong blue post ...	0	2	9			
Hard limestone, with							Soft parting ...	0	0	3½			
soft scamy part-							Mild blue post ...	0	3	0			
ings ...	19	3	8				Light grey shale ...	0	1	4			
Hard brown lime-							Dark grey shale ...	0	0	6			
stone, with water	1	3	0				Red metal ...	0	2	8			
Strong light coloured											51	3	7½
limestone ...	2	3	0										
Carried forward	47	1	8	3	4	0	Total ...				55	1	7½

No. 2,943.—SILKSWORTH.

TOWNSHIP OF SILKSWORTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 52' 48", Long. 1° 24' 50".

Account of Strata passed through in a Bore-hole at High Newport, Silksworth, 1867.

Approximate surface-level 240 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	41	5	0	5	1	0
Blue clay ...	3	0	0				Hard brown lime-						
Strong stony clay ...	2	0	0				stone, with soft						
				5	1	0	partings ...	3	1	6			
Marl ...	2	0	0				Dark grey shale ...	0	0	9			
Strong limestone:							Light grey shale ...	0	0	6			
got water at 22							Hard blue limestone,						
fathoms ...	16	0	0				with soft partings,						
Mild yellow lime-							and water ...	0	4	0			
stone ...	1	3	0				Dark grey shale ...	0	5	2			
Strong brown lime-							Hard post: top of						
stone ...	0	2	8				sand ...	0	0	4			
Mild yellow lime-							Mild post or sand,						
stone ...	1	3	0				with a little water	1	2	5			
Strong yellow lime-							Very coarse hard						
stone ...	0	2	0				crust, with a little						
Mild yellow lime-							water ...	0	0	5			
stone: got more											48	2	1
water at 30 fath-							Soft grey shale ...	0	1	6			
oms ...	2	2	0				Soft dark red metal	2	1	10½			
Strong limestone ...	6	4	0				COAL , soft danty,						
Strong brown lime-							with water ...	0	0	6			
stone ...	7	0	0								2	3	10½
Blue limestone ...	0	2	7				Soft light metal,						
Light coloured lime-							with hard girdles	3	3	7			
stone ...	2	3	11								3	3	7
Grey limestone ...	0	5	10										
Carried forward	41	5	0	5	1	0	Total ...				59	4	6½

No. 2,944.—SOUTH HETTON.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 48' 2", Long. 1° 24' 25".

Account of Strata sunk through below the Hutton Seam in the Engine Pit, South Hetton Colliery, 1902.—Continuation of No. 1,828.

Approximate surface-level 420 feet above sea (Ordnance datum)

Depth from surface to bottom of <i>Hut-</i> <i>ton Seam</i> ...	Fs. Ft. In.				Fs. Ft. In.				Fs. Ft. In.		
	Fs.	Ft.	In.		Fs.	Ft.	In.		Fs.	Ft.	In.
Blue seggar-clay ...	0	0	6	177	0	5		Brought forward	7	4	9½
Blue metal ...	2	4	3					Strong grey metal, with post girdles	1	3	3
Black stone ...	0	0	8					White post ...	4	0	0
COAL ...	0	0	5					Whin ...	1	0	0
				2	5	10		White post ...	3	0	0
Grey metal, with post girdles ...	0	4	0					Blue metal ...	0	5	1
Grey whinstone ...	0	2	8					Black stone ...	0	0	1
Grey metal ...	2	0	0					<i>Harvey Seam—</i>			
Black metal, with ironstone girdles	0	1	4½					COAL ...	0	2	1
COAL ...	0	0	2½						18	3	3½
				3	2	3		Seggar-clay ...	0	2	0
Seggar-clay ...	0	2	0					Grey metal, with post girdles ...	1	1	3½
Black shale ...	0	0	2					Black stone ...	0	0	3
Light and dark grey post girdles ...	1	1	2					Seggar-clay ...	0	4	3
White post, with whin ...	1	1	5					Grey metal, with post girdles ...	3	2	0½
Blue metal ...	0	3	0					Black stone ...	0	2	10
COAL ...	0	0	5½					Blue metal ...	1	4	4
Grey post panels, with dark post gir- dles ...	0	5	0					<i>Busty Seam—</i>			
Shivery post... ..	0	3	7					COAL ...	0	11	
Blue metal, with ironstone girdles	3	0	0					Band ...	0	1½	
								COAL ...	0	5	
Carried forward	7	4	9½	183	2	6		Band ...	0	3	
								COAL ...	0	8½	
								Band ...	0	4	
								COAL ...	0	9	
									0	3	6
								Total ...	210	2	3½

No. 2,945.—SOUTH HETTON.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 21 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the West Bore-hole in Mr. Shepperdson's Ground, in a large pasture field, near to a Bog, at South Hetton Colliery, 1836-1837.

Approximate surface-level feet above sea (Ordnance datum).

Soil ...	Fs. Ft. In.				Fs. Ft. In.		
	Fs.	Ft.	In.		Fs.	Ft.	In.
Gravel, with water at the bottom ...	0	3	0	Brought forward	0	4	6
Carried forward	0	4	6	Loamy clay, mixed with sand ...	0	5	0
				Carried forward	1	3	6

No. 2,945.—SOUTH HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	n.
Brought forward	1	3	6				Brought forward	67	2	6	5	5	6
Strong brown clay...	4	2	0				Grey metal ...	0	2	3			
				5	5	6	Freestone girdle ...	0	0	2			
Marl ...	15	1	2				Brown sand, mixed						
Soft marly limestone,							with post ...	0	3	0			
with water at 31							Soft whitish yellow						
fathoms ...	30	4	0				sand ...	3	4	0			
Gulley limestone ...	3	4	4				Dirty yellow sand ...	1	0	6			
Hard gulley lime-							Strong yellow sand...	0	3	0			
stone, with some							Grey metal ...	0	3	6			
partings and water	14	3	0				Red metal, with post						
Soft marly limestone,							girdles ...	1	0	6			
with much water							White post ...	0	0	9			
at 72 fathoms ...	2	0	0				Grey metal ...	0	1	7			
Blue metal ...	0	0	4								75	3	9
Strong white lime-													
stone ...	1	1	8										
Carried forward	67	2	6	5	5	6	Total ...				81	3	3

No. 2,946.—SOUTH HETTON.

TOWNSHIP OF EASINGTON, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 47' 41", Long. 1° 23' 50".

*Account of Strata passed through in a Bore-hole below the Low Main Seam,
about three-quarters of a mile South-east of the Shaft, South
Hetton Colliery, 1891.*

Approximate surface-level 411 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey shale, with							Brought forward	24	0	4			
ironstone girdles...	5	1	6				Grey metal, with						
White post ...	1	2	6				ironstone balls ...	3	1	0			
Blue shale, with hard							Strong grey post,						
panels ...	2	5	7				with water ...	2	2	0			
Strong grey post ...	1	5	3				Hard white post,						
Blue shale ...	0	1	3				with much water...	3	2	3			
Very dark grey shale	3	0	11				Strong grey metal...	3	5	5			
Light grey shale ...	1	5	3										
Blue shale ...	0	3	6										
Shale, mixed with							COAL ...	0	4				
coal ...	0	0	6				Hard parting	0	5				
Blue shale ...	0	1	0				COAL ...	0	9				
Grey post, with shale										0	1	6	
partings ...	2	0	8								37	0	6
Blue shale ...	1	0	0				Strong light grey						
Very dark blue shale	0	1	6				metal ...	0	3	9			
Strong grey shale ...	1	0	3				Strong grey post ...	0	2	8			
Bastard post or whin	0	2	8				Strong grey metal,						
White post ...	0	4	0				with post girdles,						
Strong grey post,							and water ...	1	1	3			
with thin metal							Grey post ...	0	4	6			
partings ...	1	0	0				Very dark grey						
Carried forward	24	0	4				metal ...	0	0	6			
							Carried forward	3	0	8	37	0	6

No. 2,946.—SOUTH HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	8	37	0	6	Brought forward	9	0	7	37	0	6
Strong grey metal ...	1	5	11				Blue shale ...	0	1	8			
Ironstone girdles ...	0	1	3				Hard white post ...	2	3	1			
Strong grey shale ...	2	5	0				Bastard post ...	0	1	8			
White post, with							Mild white post ...	3	0	8			
water ...	0	5	9								15	1	8
Carried forward	9	0	7	37	0	6	Total ...				52	2	2

No. 2,947.—SOUTH MOOR.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 3", Long. 1° 42' 0".

Account of Strata sunk through below the Hutton Seam in the Louisa Pit, South Moor Colliery.

Approximate surface-level 745 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of <i>Hutton Seam</i> ...				102	2	0	Brought forward	3	2	6	124	2	4
Black stone ...	0	1	0				COAL ...	0	1	10			
Seggar-clay ...	0	5	0								3	4	4
Post girdles ...	0	0	10				Seggar-clay ...	0	4	0			
Strong blue metal ...	2	0	2				Dark blue metal ...	1	4	0			
Grey metal ...	2	2	0				Seggar-clay ...	0	1	9			
Strong white post ...	1	3	0				Black stone ...	0	0	9			
Blue metal ...	0	0	9				Seggar-clay ...	0	1	6			
White post ...	0	0	6				Post and whin ...	1	4	0			
Blue metal ...	0	1	10				Blue metal ...	1	1	3			
White post ...	0	3	0				COAL ...	0	0	6			
Blue metal ...	0	0	6								5	5	9
Strong white post ...	5	4	6				Seggar-clay ...	0	5	0			
COAL ...	0	1	0				Strong grey metal ...	1	0	3			
				14	0	1	Whin girdle ...	0	1	0			
Seggar-clay ...	0	1	9				Strong grey metal ...	1	1	1			
Grey post ...	0	1	0				Post girdle ...	0	0	4			
Grey metal ...	0	1	6				Blue metal ...	0	0	4			
Grey post ...	0	3	6				<i>Hodge Seam—</i>						
Blue metal ...	0	3	0				COAL ...	1	0½				
Strong grey metal ...	0	2	0				Slate band ...	0	1				
Blue metal, with							COAL ...	1	4½				
ironstone girdles ...	1	3	3								0	2	6
Dark leafy post ...	0	3	4								3	4	6
Soft blue metal ...	2	3	6				Seggar-clay ...	0	3	0			
COAL ...	0	0	5				Blue metal ...	0	4	11			
Seggar-clay ...	0	5	10				Black stone ...	0	1	0			
COAL ...	0	1	2				Blue metal ...	0	4	6			
				8	0	3	Dark grey post ...	0	3	0			
Grey metal, with							White post ...	1	1	2			
ironstone girdles ...	0	2	9				<i>Top Busty Seam—</i>						
Blue metal ...	0	1	5				COAL ...	0	5½				
Grey metal ...	0	4	4				Band stone ...	0	4½				
Strong grey post ...	0	4	10				COAL ...	2	10				
Whin girdle ...	0	1	2								0	3	8
Strong grey post ...	1	0	0								4	3	3
Carried forward	3	2	6	124	2	4	Carried forward				142	2	2

No. 2,947.—SOUTH MOOR.—CONTINUED.

Brought forward						Brought forward					
	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	n.
Seggar-clay ...	0	0	9	142	2	2	White post ...	0	3	6	156
Grey post ...	0	1	0				Blue metal ...	0	1	8	3
White post ...	2	2	5				COAL ...	0	1	2	8
Blue metal ...	0	1	10								1
COAL ...							Seggar-clay ...	0	2	0	2
Dark seggar-clay ...	0	8					Post, with blue metal				
COAL ...	0	1					girdles ...	0	2	6	
				0	3	9	White post ...	2	2	5	
							Grey metal ...	0	1	10	
				3	3	9	Grey metal, with post				
Seggar-clay ...	0	4	3				girdles ...	0	5	7	
Black stone ...	0	2	2				Black stone ...	0	1	3	
Blue metal ...	1	5	0				<i>Brockwell Seam—</i>				
Grey metal ...	0	3	5				COAL ...				
Blue metal ...	0	2	0				Splint ...	0	8		
Grey metal, with											
ironstone girdles...	3	5	6					0	2	4	
Post girdles ...	0	0	11				Seggar-clay ...	0	3	4	4
COAL ...	0	1	2				COAL ...	0	0	3	5
				8	0	5					11
Seggar-clay ...	0	2	0				Seggar-clay, with post				
Blue metal ...	0	1	2				girdles ...	0	4	9	
White post ...	0	3	4				COAL ...	0	0	3	
Blue metal ...	0	2	0								0
Post girdle ...	0	1	0				Seggar-clay, with post				
Blue metal ...	0	5	11				girdles ...	0	1	6	
COAL ...	0	0	1				White post ...	1	0	0	
				2	3	6					1
Seggar-clay ...	0	3	6								1
											6
Carried forward	0	3	6	156	3	10	Total ...		165	4	6

No. 2,948.—SOUTH MOOR.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 26", Long. 1° 43' 2".

Account of Strata sunk through in the New Upcast Shaft, near the Charley Pit, South Moor Colliery, 1893.

Approximate surface-level 720 feet above sea (Ordnance datum).

Brought forward						Brought forward					
	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	n.
Surface soil ...	0	1	0				Grey metal, with post	11	3	8	1
Clay ...	0	5	0				girdles ...	3	0	0	0
				1	0	0	White post, with				
Soft grey metal ...	2	1	7				metal partings ...	3	2	8	
Post girdles, with							<i>Shield Row Seam—</i>				
metal partings ...	2	3	8				COAL ...				
Soft grey metal ...	0	5	5				Band ...	0	3		
Soft black stone ...	0	5	9				COAL ...	1	8		
Grey metal, with post											
girdles ...	1	0	9					1	1	3	
White post girdles ...	0	2	0								19
Soft blue metal ...	3	2	6								1
											7
Carried forward	11	3	8	1	0	0	Carried forward		20	1	7

No. 2,948.—SOUTH MOOR.—CONTINUED.

Brought forward				Ft. Ft. In. Fs. Ft. In.			
Seggar-clay ...	0	2	6	20	1	7	
Soft grey metal ...	2	4	4½				
Post girdle ...	0	3	11				
Grey metal ...	0	1	7				
Hard white post ...	2	3	2				
Whin and post,							
mixed ...	0	5	0				
Post girdle ...	0	1	9				
Grey metal ...	3	5	10				
Hard ironstone gir-							
dle ...	0	0	9				
Soft grey metal ...	1	3	9½				
Ramble ...	0	0	6				
<i>Five-Quarter Seam—</i>							
COAL ...	Ft.	In.					
Band ...	2	9					
COAL ...	0	8					
			0 4 6				
			14 1 8				
Seggar-clay ...	0	3	0				
Grey metal, with							
ironstone girdles...	5	3	0				
Strong grey metal ...	0	1	3				
Hard ironstone gir-							
dle ...	0	0	9				
<i>Main Coal Seam—</i>							
COAL ...	0	5	0				
			7 1 0				
Hard fire-clay, mixed							
with much iron ...	0	3	0				
Whin and post,							
mixed ...	0	5	0				
Post, with metal gir-							
dles ...	0	2	0				
Carried forward	1	4	0 41	4 3			

Brought forward				Ft. Ft. In. Fs. Ft. In.			
Mild blue metal ...	3	4	4	1	4	0 41	4 3
Leafy post ...	0	3	0				
Strong grey metal ...	0	4	0				
COAL ...	0	0	4				
							6 3 8
Seggar-clay ...	0	2	0				
Strong grey metal,							
with post girdles...	5	0	0				
Very hard post ...	1	4	6				
Post, with metal							
partings ...	1	2	6				
Hard post ...	12	0	0				
<i>Maudlin and Low</i>							
<i>Main Seams—</i>							
COAL ...	Ft.	In.					
Metal band ...	2	9½					
COAL ...	1	10					
Band ...	0	3½					
COAL ...	3	4½					
Band ...	0	5					
COAL ...	0	11½					
			2 0 6				
			22 3 6				
Thill stone ...	0	2	4				
Leafy post and metal	2	1	3				
Whin, with post gir-							
dle ...	0	1	0				
Thin post girdles ...	0	2	8				
<i>Hutton Seam—</i>							
COAL ...	0	2	3				
			3 3 6				
Seggar-clay ...	0	5	0				
Grey post, with iron	0	3	10				
			1 2 10				
Total ...			75 5 9				

No. 2,949.—SOUTH MOOR.

TOWNSHIP OF GREENCROFT (DETACHED NO. 9), DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 14", Long. 1° 43' 48".

Account of Strata sunk through in the Morrison Staple, near the Morrison Pit, South Moor Colliery, 1898.

Approximate surface-level 765 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.					Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	2	1	10							Brought forward				7	5	4
							2	1	10				Blue stone	...	...	4	3	0	
Shale	...	...	...	2	1	4							Grey post	...	...	0	2	10	
Post	...	...	...	1	4	4							Blue stone	...	...	0	2	8	
Shield Row Seam—*													Grey post	...	...	1	1	10	
COAL	...	...	...	1	3	10							Blue stone	...	...	0	4	0	
							5	3	6				Hard post	...	...	3	0	3	
Carried forward							7	5	4				Carried forward	10	2	7	7	5	4

No. 2,949.—SOUTH MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	10	2	7	7	5	4	Brought forward	2	4	6	37	5	11	
Blue stone ...	...	2	1	2			Post ...	...	12	3	6		
Shale ...	...	0	2	6			Blue metal ...	...	2	5	0		
Blue stone ...	...	4	4	1			Maudlin Seam—						
Five-Quarter Seam—							COAL ...	...	0	3	0		
COAL ...	...	0	5	0							18	4	0
					18	3	4	Metal band	0	1	11		
Band ...	...	0	1	8			Low Main Seam—						
Main Coal Seam—							COAL ...	...	1	1	0		
COAL ...	...	0	5	2							1	2	11
					1	0	10	Blue metal	0	3	6		
Seggar-clay	0	2	8				Grey post	1	0	6		
White post	0	5	7				White post	0	2	3		
Grey post	0	2	4				Grey post	0	1	10		
White post	0	2	2				White post	0	1	10		
Blue stone	4	2	7				Grey post	1	2	11		
Whin ...	...	0	1	3			Hutton Seam—						
White post ...	...	1	1	6			COAL ...	...	0	3	5		
Grey metal ...	...	0	4	0							4	4	3
White post	0	4	0				Blue metal	7	0	0		
Grey post	1	0	0				Grey post	0	4	8		
COAL	0	0	4				White post	0	1	10		
					10	2	5	Grey post	0	1	6		
Blue metal ...	...	2	4	6							8	2	0
Carried forward	2	4	6	37	5	11		Total	71	1	1		

* The *Shield Row Seam* was very much disturbed at this point, as after driving 4 or 5 yards the seam turned to its normal height of 5 feet 3 inches.

No. 2,950.—SOUTH PELAW.

TOWNSHIP OF CHESTER-LE-STREET, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 51' 53", Long. 1° 35' 16".

Account of Strata sunk through at South Pelaw Colliery, 1890.

Approximate surface-level 185 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Soil ...	...	0	0	10			Brought forward	13	0	11	15	1	8	
Strong clay ...	...	0	4	0			Blue metal, with							
Blue clay ...	...	1	4	3			ironstone bands ...	1	4	9				
Gravel ...	...	3	5	5			<i>High Main Seam—</i>							
Blue stone and							COAL ...	...	0	4	7			
gravel ...	...	0	5	0							15	4	3	
Gravel ...	...	1	2	8			Seggar-clay ...	...	0	2	0		
Blue clay ...	...	1	2	0			Black thill stone ...	1	2	0				
					10	0	2	Post	0	1	2			
Grey metal, with post							Grey metal, with								
girdles ...	...	4	5	0			ironstone girdles...	2	3	10				
<i>Five-Quarter Seam—</i>							Blue metal ...	...	4	0	0			
COAL ...	...	0	2	6										
					5	1	6								
Seggar-clay ...	...	0	3	4			COAL ...	...	1	6			
Grey metal, with post							Post ...	...	1	6				
girdles ...	...	12	3	7			COAL ...	...	0	5			
							Band ...	...	1	0				
Carried forward	13	0	11	15	1	8									
							Car. forward	4	5	8	3	0	30	5	11

No. 2,950.—SOUTH PELAW.—CONTINUED.

	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Brot. forward	4	5	8	3	0	30	5	11
COAL	...	0	6					
Band	...	0	10					
COAL	...	0	6					
Black stone	...	0	8					
			1	0	11			
						9	3	11
Post	...	...	0	4	0			
Grey metal	...	...	3	2	0			
Maudlin Seam—								
COAL	...	...	0	2	4			
						4	2	4
Grey metal, with post								
girdles	...	...	6	3	9			
Post	...	...	1	3	0			
Low Main Seam—								
COAL	...	...	0	3	0			
						8	3	9
Thill stone	...	...	0	2	7			
Grey metal	...	...	0	2	11			
Post	...	...	0	3	8			
COAL	...	...	0	0	9			
						1	3	11
Black stone	...	...	0	2	10			
Grey metal, with post								
girdles	...	...	1	5	1			
Post	...	...	0	2	0			
Grey metal	...	...	1	4	0			
Post	...	...	1	1	2			
Blue metal	...	...	0	4	0			
Hutton Seam—								
COAL	...	...	0	4	10			
						6	5	11
White post	...	...	2	2	6			
Blue metal	...	...	3	1	6			
Grey post	...	...	2	4	6			
Blue metal	...	...	1	2	10			
Carried forward	9	5	4	62	1	9		

	Fs.	Ft.	In.	Fs.	Ft.	In.			
Brought forward	9	5	4	62	1	9			
Grey post	...	...	3	5	2			
COAL	...	...	0	0	9			
						13	5	3	
Seggar-clay	...	...	0	1	3			
Grey post	...	...	1	2	6			
Blue metal	...	...	0	0	9			
Grey post	...	...	3	4	6			
Blue metal	...	...	2	5	3			
Grey post	...	...	3	0	11			
COAL	...	...	0	0	6			
						11	3	8	
Seggar-clay	...	...	0	2	0			
Grey post	...	...	1	0	0			
COAL	...	...	0	2	3			
						1	4	3	
Seggar-clay	...	...	0	1	3			
White post, with									
metal partings	...	...	5	1	9			
COAL	...	...	0	1	6			
						5	4	6	
Seggar-clay	...	...	0	2	0			
Blue metal	...	...	1	2	6			
Harvey Seam—									
COAL	...	...	0	3	0			
						2	1	6	
Seggar-clay	...	...	0	1	8			
White post	...	...	1	2	6			
Blue stone	...	...	2	1	0			
Grey post	...	...	1	4	8			
Busty Seam—									
COAL	...	Ft.	In.						
	...	2	6						
Band	...	0	3						
COAL	...	1	10½						
				0	4	7½			
							6	2	5½
Total	103	5	4½				

No. 2,951.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole at the Tyne
Shipbuilding Company's Yard, Wapping Street,
South Shields, 1899.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	0	4	8				Brought forward	5	2	11			
Sandstone ...	0	2	6				Stony clay ...	1	0	0			
Gravel, with water	0	1	9				Laminated clay ...	0	5	0			
River mud and sand	1	3	3								7	1	11
Laminated clay ...	1	3	0				Freestone ...	0	0	8			
Stony clay ...	0	5	0								0	0	8
Very hard boulder ...	0	0	9										
Carried forward	5	2	11				Total ...				7	2	7

No. 2,952.—SOUTH TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 10", Long. 1° 43' 15".

Account of Strata sunk and bored through below the Brass Thill Seam in the A Pit, South Tanfield Colliery.—Continuation of No. 1,847.

Approximate surface-level 790 feet above sea (Ordnance datum).

Depth from surface to bottom of Brass Thill Seam ...	Ft. In.		Ft. In.		Brought forward Main Coal Seam—	Ft. In.		Ft. In.	
	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
...	49	4	1		COAL ...	2	7	3	3
<i>Sinking:—</i>					Band ...	0	1½	0	79
Seggar-clay ...	0	2	0		COAL, inferior ...	0	5½	1	7
Post ...	1	0	0						
Blue metal ...	4	0	0		Seggar-clay ...	0	3	2	
Blue metal and post	1	3	0		Strong grey metal, with ironstone girdles	10	1	6	4
Post ...	3	3	0		White post ...	3	3	10	0
Blue metal ...	1	4	2		COAL ...	0	0	8	
COAL ...	0	0	4						14
			12	0	Black stone ...	0	0	6	4
Blue metal and post	0	2	6		Grey post ...	1	2	9	
Post ...	3	2	0		Blue metal ...	5	2	2	
Grey post, with metal	1	4	3		White post ...	7	0	5	
Post, with metal	0	3	9		<i>Beaumont Seam—</i>				
Post ...	1	2	0		COAL ...	0	1	8	
Post, with metal	0	3	0						14
Post ...	0	3	6		Strong seggar-clay ...	0	2	5	1
Post, mixed with	0	3	0		Grey metal ...	2	5	6	
whin ...	0	3	0		Blue metal ...	2	4	4	
Post ...	0	4	10		Grey metal ...	1	3	9	
Post, mixed with	1	2	6		Whin ...	0	1	0	
whin ...	1	3	2		Grey metal ...	1	2	0	
Post ...	0	3	1		COAL ...	0	0	5	
Post, mixed with	0	3	11						9
whin ...	0	3	8		Post, with blue metal	1	0	0	1
Post ...	1	3	8		girdles ...	1	0	0	
Blue metal ...	1	3	8		<i>Tilley or Towneley</i>				
<i>Hutton Seam—</i>					<i>Seam—</i>				
COAL, good	3	1			COAL ...	1	0		
Band ...	1	0			Band ...	0	2½		
COAL, jet	0	6			COAL ...	0	4		
COAL, good	1	9			Black band	0	0¾		
Band ...	0	6			COAL, can-	0	2¼		
COAL, good	3	6			nel ...	0	2¼		
Band ...	0	2			COAL ...	1	0¾		
COAL, good	1	4							0
			1	5					2
			17	3	Seggar-clay ...	0	3	0	10
Seggar-clay ...	0	1	0		Post girdles, with				
Post, with blue metal	3	0	0		metal partings ...	1	4	0	
partings ...	0	2	0		Whin ...	0	1	8	
Strong white post ...	0	2	0		Dark blue metal ...	1	5	0	
					Strong grey metal ...	0	2	6	
Carried forward	3	3	0	79	Carried forward	4	4	2	122
				1					5
				7					6

No. 2,952. SOUTH TANFIELD.—CONTINUED.

Ft. In. Ft. In.						Ft. In. Ft. In.						
Brought forward 4 4 2 122 5 6						Brought forward 1 5 7 140 0 11						
Top Busty Seam—						Brockwell Seam—						
		Ft.	In.					Ft.	In.			
COAL	...	0	6			COAL	...	2	0			
Stone band	0	1½				COAL, splinty	0	6				
COAL	...	3	2½					0	2	6		
Band	...	0	1							2	2	
COAL	...	0	3			Seggar-clay	...	0	2	0		
				0	4	2						
						Post, with metal						
				5	2	4	partings	...	0	2	9	
Black slate	...	0	1	2			Blue metal	...	0	0	3	
Seggar-clay	...	0	3	0			COAL	...	0	0	6	
Strong grey metal	...	0	4	7							0	
Grey post	...	0	3	0			White post	...	0	2	0	
Black slate	...	0	0	3			Soft grey post	...	0	0	5	
Bottom Busty Seam—						White post	...	0	2	5		
		Ft.	In.			Blue metal	...	0	1	0		
COAL	...	2	7			White post	...	0	1	0		
Stone band	0	1				Blue metal	...	0	3	6		
COAL	...	1	0			Grey whin	...	0	3	0		
Band	...	0	1½			White post	...	0	3	0		
COAL	...	0	2½			Blue metal	...	2	0	10		
				0	4	0	Seggar-clay	...	0	2	0	
						White post	...	0	4	2		
Black slate	...	0	1	0							5	
Seggar-clay	...	0	2	0							5	
Blue metal	...	2	5	2							4	
COAL	...	0	0	11							149	
				3	3	1					10	
Seggar-clay	...	0	3	0			Bored further:—					
Strong white post	...	0	3	0			Post girdles, with					
Grey whin	...	0	0	11			blue partings	...	0	2	11	
Post girdles, with							Blue metal	...	1	0	6	
metal partings	...	1	3	0			COAL	...	0	0	6	
Blue metal	...	0	1	0							1	
COAL	...	0	0	2			Seggar-clay	...	0	2	0	
				2	5	1	Strong post	...	1	2	5	
Seggar-clay	...	0	1	6			Blue metal	...	0	0	4	
COAL	...	0	0	4			Strong post	...	3	1	2	
				0	1	10	Blue metal	...	0	1	6	
Seggar-clay	...	0	2	0			Post girdles, with					
Strong grey metal	...	0	1	8			metal partings	...	1	2	11	
Grey post, with metal							Strong white post	...	1	4	9	
partings	...	1	3	6			Blue metal	...	0	3	0	
		Ft.	In.				COAL	...	0	0	2	
COAL	...	0	6								9	
Band	...	0	1				Seggar-clay	...	0	2	0	
COAL	...	0	7				Black slate	...	0	0	5	
Band	...	0	6				Blue metal	...	0	1	10	
COAL	...	0	3				Post girdles, with					
				0	1	11	metal partings	...	0	3	7	
						2	Blue metal	...	0	2	0	
Seggar-clay	...	0	4	0			Post and blue metal,					
Strong grey metal	...	0	2	0			mixed	...	3	4	3	
Grey whin	...	0	0	9			Ironstone girdle	...	0	0	8	
Blue metal	...	0	0	6			Blue slate	...	0	0	6	
Post girdle	...	0	0	4			Ironstone girdle	...	0	1	5	
Blue metal	...	0	1	8			Strong white post	...	1	0	10	
Grey post, with metal							Whin	...	0	1	0	
partings	...	0	2	4			Blue metal, with					
							ironstone girdles	...	2	1	4	
											9	
Carried forward	1	5	7	140	0	11	Total	...	...	169	1

No. 2,953.—SOUTHWICK.

TOWNSHIP OF SOUTHWICK, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____.

Account of Strata passed through in the No. 1 Bore-hole in Messrs. G. Clark, Limited's, Yard, on the North side of the River Wear, and in a line with the proposed bridge, 1902.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Ballast	1	1	6				Brought forward	2	2	0	7	2	0
River mud	0	2	6				Dark shale	1	0	0			
Sand, with water ...	4	1	0				Grey sandstone ...	0	4	6			
Grey clay	1	3	0				Yellow sand	1	0	0			
				7	2	0	White freestone ...	0	3	6			
Brown limestone ...	1	5	0				Light seggar-clay ...	0	2	6			
Hard brown limestone ...	0	3	0				Red sandstone, into	2	3	0			
											8	3	6
Carried forward	2	2	0	7	2	0	Total				15	5	6

No. 2,954.—SPRINGWELL.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55' 30", Long. 1° 32' 45".

Account of Strata passed through in a Bore-hole below the Hutton Seam, 715 yards South, 63¼° East, from the Shaft, Springwell Colliery, 1902.

Approximate surface-level 455 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From bottom of							Brought forward	13	4	7			
<i>Hutton Seam</i> ...	0	2	1				Strong grey metal,						
Hard grey post,	2	2	1				with iron post gir-						
with a little water							dles	3	5	11			
Strong dark grey							Strong leafy post,						
metal post, with	1	2	5				with metal part-						
iron girdles ...							ings and coal pipes	0	5	9			
Strong leafy post,							Strong grey post ...	0	4	2			
with metal part-							Strong leafy post,						
ings	3	4	1				with metal part-						
Very hard whin ...	0	1	11				ings	0	3	0			
Strong leafy post,							Strong dark grey						
with metal part-							metal post, with						
ings	0	3	10				iron girdles ...	2	2	6			
Mild grey metal,							Strong grey post ...	0	2	4			
with iron post gir-	1	0	6				Dark grey metal ...	1	2	7			
dles							<i>Beaumont Seam</i> —						
Black stone	0	2	3										
Strong dark grey													
metal post, with							COAL and	Ft. In.					
iron girdles ...	1	2	4				stone brat	0	7				
Hard grey post,							COAL	2	3				
with metal part-							Stone band	1	8				
ings and whin gir-							COAL	1	5				
dles	1	3	0							0	5	11	
Hard white post ...	0	4	1								25	0	9
Carried forward	13	4	7				Total				25	0	9

No. 2,955.—STAGSHAW.

TOWNSHIP OF PORTGATE, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. 55° 0' 47", Long. 2° 1' 22".

Account of Strata sunk through in the Working Shaft at Stagshaw Bank Colliery.

Approximate surface-level 730 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.
Soil ...	...	...	0	1	0				Brought forward	...	...	15	4	6
						0	1	0	Freestone ...	...	...	2	4	6
Freestone ...	...	...	4	0	0				Plate ...	...	...	1	3	0
Blue plate ...	...	...	7	1	0				COAL ...	...	...	0	1	8
Little Limestone ...	...	...	3	0	0							4	3	2
Freestone ...	...	...	1	0	0				Freestone, into ...	...	...	0	1	0
Plate ...	...	...	0	1	6							0	1	0
COAL ...	...	...	0	1	0									
						15	3	6						
Carried forward						15	4	6	Total ...	...	...	20	2	8

No. 2,956.—STANHOPE.

TOWNSHIP OF FOREST QUARTER, DURHAM.

Sheet 23 of Ordnance Map. Lat. 54° 46' 43", Long. 2° 5' 52".

Account of Strata sunk through in the Boltsburn Mine, Rookhope Valley.

Approximate surface-level 1,200 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.	
Plate	2	1	6				Brought forward	14	2	0	26	4	0			
Hazle ...	...	...	1	0	3				Hazle ...	...	...	0	2	6		
Plate ...	...	...	5	4	6				Plate ...	...	...	1	4	0		
Hazle ...	...	...	1	0	0				Hazle ...	...	...	1	4	6		
Plate ...	...	...	1	2	6				Plate ...	...	...	2	4	0		
Hazle ...	...	...	1	0	0				Limestone ...	...	...	1	4	0		
Plate ...	...	...	0	2	0				Plate ...	...	...	3	5	6		
Hazle ...	...	...	3	3	0				COAL	...	...	0	0	6		
Plate	5	0	0							26		3	0			
Hazle ...	...	...	0	2	3				Hazle ...	...	...	11	5	0		
Plate ...	...	...	4	5	0				Great Limestone	...	...	11	0	0		
COAL	...	...	0	1	0				Hazle ...	...	...	0	5	0		
						26		4	0	Plate	2	1	0			
Hazle ...	...	...	6	4	0				Quarry Hazle	...	...	3	4	0		
Plate ...	...	...	1	2	6				Plate ...	...	...	7	3	6		
Hazle ...	...	...	0	3	6				Limestone	...	...	3	1	0		
Plate	5	4	0							40		1	6			
Carried forward			14	2	0	26		4	0	Total	93	2	6		

No. 2,957.—STANHOPE.

TOWNSHIP OF FOREST QUARTER, DURHAM.

Sheet 23 of Ordnance Map. Lat. $54^{\circ} 46' 42''$, Long. $2^{\circ} 5' 42''$.*Account of Strata sunk through in the Engine Shaft, Boltshurn Mine, Rookhope Valley.*

Approximate surface-level 1,100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel ...	0	4	0				Brought forward	12	0	0	6	2	0
Clay ...	0	4	0				Upper Quarry Hazle	1	1	0			
Sand bed ...	5	0	0				Plate ...	0	2	6			
				6	2	0	Lower Quarry Hazle	1	0	0			
<i>Great Limestone</i> ...	6	4	0				Plate ...	7	1	6			
Tuft ...	0	5	0				<i>Four Fathoms Lime-</i>						
Plate ...	0	3	6				<i>stone</i> ...	3	0	0			
Quarry Hazle	2	1	6				Plate ...	0	5	0			
Plate ...	0	5	0				Nattrass Gill Hazle	4	4	0			
<i>Limestone</i> ...	0	3	0				Plate and grey beds	3	2	0			
Girdle bed ...	0	2	0								33	4	0
Carried forward	12	0	0	6	2	0	Total ...				40	0	0

No. 2,958.—STANHOPE.

TOWNSHIP OF FOREST QUARTER, DURHAM.

Sheet 22 of Ordnance Map. Lat. $54^{\circ} 46' 14''$, Long. $2^{\circ} 13' 3''$.*Account of Strata sunk through in the Level Head Engine Shaft, Burtree Pasture Mine, Wear Valley.*

Approximate surface-level 1,500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Fire-stone ...	5	1	6				Brought forward	44	2	6	22	5	9
Plate ...	5	5	6				<i>Three Yards Lime-</i>						
Pattinson's Sill	1	1	0				<i>stone</i> ...	1	4	0			
Plate ...	2	0	0				Till bed ...	0	3	0			
<i>Little Limestone</i> ...	1	3	3				Six Fathoms Hazle	4	4	0			
Hazle ...	0	1	6				Plate ...	2	5	0			
Plate ...	3	1	6				<i>Five Yards Lime-</i>						
High Coal Sill	1	3	6				<i>stone</i> ...	2	3	0			
Plate ...	1	5	6				Plate ...	0	1	0			
COAL ...	0	0	6				Hazle ...	1	0	0			
				22	5	9	Plate ...	1	5	6			
Low Coal Sill	0	5	0				Hazle ...	1	0	6			
Plate ...	1	2	6				COAL ...	0	0	3			
<i>Great Limestone</i> ...	10	2	0								60	4	9
Tuft ...	1	3	0				Grey beds ...	0	4	0			
Plate ...	2	0	0				Hazle ...	0	5	6			
Quarry Hazle	2	4	3				Plate ...	4	4	6			
Grey beds ...	1	0	0				<i>Scar Limestone</i>	5	4	0			
Plate ...	6	3	6				Plate ...	0	1	0			
<i>Four Fathoms Lime-</i>							Hazle ...	0	2	0			
<i>stone</i> ...	3	0	3				Plate ...	1	5	6			
Till bed ...	0	3	0				Hazle ...	0	5	6			
Nattrass Gill Hazle	6	0	0				Plate ...	0	1	0			
Plate ...	8	3	0				Hazle ...	2	2	6			
Carried forward	44	2	6	22	5	9	Carried forward	17	5	6	83	4	6

No. 2,958.—STANHOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	17	5	6	83	4	6	Brought forward	23	1	9	83	4	6
Grey beds	0	1	3			<i>Tyne Bottom Lime-</i>						
Plate	1	1	0			stone ...	...	0	4	0		
Hazle	1	2	0			Whetstone ...	...	7	4	0		
Grey beds	0	3	0			Whin Sill (Basalt)...	...	39	4	6		
<i>Cockle-shell Limestone</i>	...	0	1	0			Whetstone bed ...	...	5	0	0		
Hazle	1	0	6			<i>Jew Limestone</i> ...	...	0	4	0		
Plate	0	2	3							77	0	3
Hazle	0	3	3									
Carried forward	23	1	9	83	4	6	Total ...	...	160	4	9		

No. 2,959.—STANHOPE.

TOWNSHIP OF FOREST QUARTER, DURHAM.

Sheet 22 of Ordnance Map. Lat. 54° 44' 10", Long. 2° 12' 54".

Account of Strata sunk through in Carrick's Ironstone Mine, Weardale.

Approximate surface-level 1,374 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and stones ...	...	5	0	0			Brought forward	12	5	0	5	0	0
				5	0	0	High Coal Sill ...	...	1	4	0		
Freestone ...	...	3	4	0			Plate ...	...	0	2	6		
Plate ...	...	2	3	0			Low Coal Sill ...	...	1	5	0		
White sill ...	...	1	1	0			Plate ...	...	3	2	0		
Plate ...	...	1	3	0			<i>Great Limestone</i> ...	...	12	0	0		
<i>Little Limestone</i>	...	0	4	0							32	0	6
Plate ...	...	3	2	0									
Carried forward	12	5	0	5	0	0	Total ...	...	37	0	6		

No. 2,960.—STANHOPE.

TOWNSHIP OF BOLLIBOPE COMMON, DURHAM.

Sheet 32 of Ordnance Map. Lat. 54° 41' 45", Long. 2° 0' 3".

Account of Strata sunk through in the Air Shaft, Cornish Hush Mine, Upper Weardale.

Approximate surface-level 1,100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grindstone Sill	4	0	0			Brought forward	31	3	6			
Plate	9	5	0			Plate ...	...	1	0	0		
<i>Fell Top Limestone</i>	0	2	0			High Slate Sill ...	...	4	4	0		
Hazle and grey beds	...	2	5	0			Plate ...	...	4	1	0		
Plate	1	5	0			Low Slate Sill ...	...	10	2	0		
Slaty hazle	4	4	3			Plate and grey beds	...	3	1	0		
Plate	2	5	3			Freestone Sill ...	...	15	5	0		
High Slate Sill	2	4	0			Plate ...	...	0	4	0		
Plate	0	3	0			<i>Upper Little Lime-</i>						
High Slate Sill	2	0	0			stone ...	...	0	5	0		
Carried forward	31	3	6				Carried forward	72	1	6			

No. 2,960.—STANHOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	72	1	6				Brought forward	98	5	9			
Plate ...	1	3	0				Plate ...	1	5	6			
Pattinson's Sill ...	3	5	9				<i>Great Limestone</i> ...	10	0	0			
Plate ...	8	5	0				Plate ...	0	4	0			
<i>Lower Little Lime-</i>							Quarry Hazle ...	12	5	0			
<i>stone</i> ...	0	5	0				Plate ...	0	4	0			
White sill ...	1	0	0				<i>Four Fathoms Lime-</i>						
High Coal Sill ...	7	1	0				<i>stone</i> ...	5	5	0			
Plate ...	0	5	6				Nattrass Gill Hazle						
High Coal Sill ...	1	0	0				and grey beds ...	2	1	0			
Plate ...	0	4	0								133	0	3
Low Coal Sill ...	0	5	0										
Carried forward	98	5	9				Total ...				133	0	3

No. 2,961.—STANHOPE.

TOWNSHIP OF PARK QUARTER, DURHAM.

Sheet 23 of Ordnance Map. Lat. 54° 43' 32", Long. 2° 10' 52".

Account of Strata sunk through in the Greenlaws Mine, Wear Valley.

Approximate surface-level 1,400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate ...	7	3	9				Brought forward	45	4	0	25	1	3
Hazle ...	1	3	6				Hazle ...	6	1	0			
Plate ...	5	4	0				Plate ...	2	4	0			
<i>Limestone</i> ...	1	1	0				<i>Limestone</i> ...	3	5	0			
Plate ...	0	5	0				Plate ...	1	5	0			
Hazle ...	1	2	0				Hazle ...	6	1	6			
Plate ...	3	2	0				Plate ...	1	5	0			
Hazle ...	2	4	0				<i>Scar Limestone</i> ...	3	5	0			
Plate ...	0	5	6				Hazle ...	0	3	0			
COAL ...	0	0	6				Plate ...	0	3	0			
				25	1	3	Hazle ...	0	2	0			
Hazle ...	0	2	0				Plate ...	1	5	0			
Plate ...	0	2	0				Hazle ...	0	1	0			
Hazle ...	0	1	6				Plate ...	0	5	0			
Plate ...	1	0	0				Hazle ...	0	1	6			
<i>Great Limestone</i> ...	9	3	6				Plate ...	1	2	0			
Hazle ...	4	5	0				Hazle ...	0	2	0			
Plate ...	1	4	0				Plate ...	0	4	0			
<i>Limestone</i> ...	0	2	0				<i>Limestone</i> ...	1	2	0			
Hazle ...	2	1	6				Hazle ...	0	3	3			
Plate ...	5	0	0				Plate ...	12	2	0			
<i>Limestone</i> ...	3	0	6				<i>Limestone</i> ...	8	4	6			
Plate ...	0	2	0				Plate ...	0	0	6			
Hazle ...	5	2	0								101	5	3
Plate ...	9	3	0				Whin Sill, into ...						
<i>Limestone</i> ...	1	5	0										
Carried forward	45	4	0	25	1	3	Total ...				127	0	6

No. 2,962.—STANHOPE.

TOWNSHIP OF FOREST QUARTER, DURHAM.

Sheet 15 of Ordnance Map. Lat. 54° 46' 59", Long. 2° 17' 35".

Account of Strata sunk through in the Day Rise, Killhopehead Mine, East End.

Approximate surface-level 1,700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Plate ...	1	0	0				Brought forward	10	4	0	30	5	0
Low Slate Sill ...	4	5	0				Hazle ...	1	4	0			
Plate ...	3	2	0				High Coal Sill, drift	1	3	0			
Hazle ...	1	0	0				Hazle ...	1	0	0			
Plate ...	3	0	0				Plate ...	3	1	0			
Fire-stone ...	6	2	0				<i>Great Limestone</i> :Trent						
Plate ...	5	4	0				level ...	10	0	0			
Hazle ...	1	0	0				Tuft ...	1	2	0			
Plate ...	4	4	0				Plate ...	3	0	0			
				30	5	0	Quarry Hazle	5	4	0			
Plate ...	2	0	0				Grey beds	3	0	0			
Hazle ...	0	4	0				Plate ...	4	1	0			
Plate: Pattinson's							<i>Four Fathoms Lime-</i>						
Drift ...	4	0	0				stone	3	3	0			
<i>Little Limestone</i> ...	1	2	0				Nattrass Gill Hazle	2	4	0			
Hazle ...	0	4	0								51	2	0
Plate ...	2	0	0										
Carried forward	10	4	0	30	5	0	Total ...				82	1	0

No. 2,963.—STANHOPE.

TOWNSHIP OF FOREST QUARTER, DURHAM.

Sheet 23 of Ordnance Map. Lat. 54° 45' 20", Long. 2° 8' 53".

Account of Strata sunk through at Middlehope, near Westgate, Weardale.

Approximate surface-level 1,200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Upper Slate Sill ...	1	2	0				Brought forward	19	3	0	43	0	0
Plate ...	0	4	0				Tuft ...	1	0	0			
Lower Slate Sill ...	7	0	0				Plate ...	1	0	0			
Plate and grey beds	7	3	0				Grey beds	0	5	0			
Fire-stone ...	3	3	0				Plate ...	1	0	0			
Plate ...	14	4	0				<i>Limestone</i> ...	0	2	0			
Pattinson's Hazle...	1	0	0				Hewitson's Sill	8	2	0			
Plate ...	0	2	0				Plate ...	4	3	0			
<i>Little Limestone</i> ...	1	3	0				<i>Four Fathoms Lime-</i>						
White hazle ...	1	0	0				stone	3	5	0			
Plate ...	2	3	0				Nattrass Gill Hazle	3	2	0			
COAL ...	0	1	0				Plate ...	4	1	0			
				41	1	0	Hazle ...	1	3	0			
Upper Coal Sill ...	1	4	0				Plate ...	0	4	0			
COAL ...	0	1	0				<i>Three Yards Lime-</i>						
				1	5	0	stone	1	0	0			
Lower Coal Sill ...	9	3	0				Plate ...	1	3	0			
Plate ...	0	2	0				Six Fathoms Hazle...	7	0	0			
<i>Great Limestone</i> ...	9	4	0				Plate ...	1	0	0			
Carried forward	19	3	0	43	0	0	Carried forward	60	3	0	43	0	0

No. 2,963.—STANHOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	60	3	0	43	0	0	Brought forward	67	4	0	43	0	0
<i>Five Yards Lime-</i>							Plate ...	5	2	0			
<i>stone</i> ...	2	3	0				<i>Kitty Crag or Scar</i>						
Plate ...	2	0	0				<i>Limestone</i> ...	5	4	0			
Hazle ...	2	4	0								78	4	0
Carried forward	67	4	0	43	0	0	Total ...				121	4	0

No. 2,964.—STANHOPE.

TOWNSHIP OF FOREST QUARTER, DURHAM.

Sheet 23 of Ordnance Map. Lat. 54° 46' 46", Long. 2° 8' 25".

Account of Strata sunk through in the Rispey Engine Shaft, 1857.

Approximate surface-level 1,260 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Coal Sill ...	1	3	0				Brought forward	24	3	0			
Plate ...	6	3	8				Plate ...	0	5	0			
<i>Great Limestone</i> ...	11	3	0				Quarry Hazle	7	5	0			
Tuft, or water sill ...	1	1	6				Plate, into ...	0	5	0			
Plate ...	3	1	4								34	0	0
Cockle Post, or <i>lime-</i>							Total ...				34	0	0
<i>stone</i> ...	0	2	6										
Carried forward	24	3	0										

No. 2,965.—STANHOPE.

TOWNSHIP OF FOREST QUARTER, DURHAM.

Sheet 23 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Engine Shaft, Slitt Mine, Weardale.

Approximate surface-level 1,200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Nattrass Gill Hazle	6	1	6				Brought forward	41	0	11			
Plate ...	5	4	9				Plate ...	0	3	5			
<i>Three Yards Lime-</i>							Hazle ...	0	2	0			
<i>stone</i> ...	1	3	0				Plate ...	0	4	9			
Six Fathoms Hazle	5	2	9				Sill and grey beds ...	0	4	7			
Plate ...	3	2	4				Hazle ...	0	4	4			
<i>Five Yards Lime-</i>							<i>Cockle-shell Limestone</i>	0	1	4			
<i>stone</i> ...	2	1	2				Plate ...	2	0	7			
Plate ...	2	1	2				Stone bed ...	0	1	0			
Slaty hazle ...	3	5	2				Plate ...	0	2	3			
Plate ...	5	2	2				Hazle ...	1	2	6			
<i>Scar Limestone</i> ...	4	5	5				Plate ...	0	4	0			
Hazle ...	0	1	6				Hazle ...	1	2	8			
Carried forward	41	0	11				Carried forward	50	4	4			

No. 2,965.—STANHOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	50	4	4				Brought forward	57	4	0			
Plate ...	...	0	4	9			Hazle ...	...	0	1	10		
Limestone ...	...	1	0	1			Plate and stone bed	1	4	3			
Till bed ...	...	0	2	2			Hazle ...	...	1	2	0		
Plate ...	...	0	2	9			Hazle and grey beds	0	5	2			
Limestone ...	...	0	1	10			Plate ...	...	1	4	9		
Till, or whetstone							Tyne Bottom Lime-						
bed ...	...	1	0	1			stone ...	...	5	4	0		
Plate ...	...	0	1	8			Pencil, or whetstone						
Hazle ...	...	1	1	0			bed ...	...	0	2	0		
Plate ...	...	1	3	4							69	4	0
Carried forward	57	4	0				Total ...	...	69	4	0		

No. 2,966.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 44' 38", Long. 1° 44' 15".

Account of Strata sunk through below the Main Coal or Brockwell Seam, in the Josephine Pit, Stanley Colliery, 1901.—Continuation of No. 1,859.

Approximate surface-level 755 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of Main Coal or Brockwell Seam ...				36	3	11	Brought forward	8	2	1	36	3	11
Seggar-clay ...	...	0	2	1			Seggar-clay ...	...	0	3	6		
Post ...	...	0	1	4			Victoria Seam—						
Blue metal, mixed with seggar-clay							COAL ...	...	0	1	7		
and iron ...	...	0	3	8							9	1	2
Post ...	...	1	3	6			Post ...	...	2	1	0		
Soft blue metal ...	...	0	0	6			Blue metal ...	...	1	2	0		
Post ...	...	0	2	0			Dark gravel ...	...	0	3	0		
Blue metal ...	...	0	1	0			Post ...	...	1	1	0		
Post ...	...	1	0	0			Blue metal ...	...	0	0	10		
Hard grey post ...	...	0	2	9			Post ...	...	1	4	7		
Soft blue metal ...	...	0	0	3			Blue metal ...	...	0	2	0		
Post ...	...	0	4	0			Marshall Green Seam—						
Blue metal ...	...	0	1	0			COAL ...	...	0	9			
Post ...	...	2	0	0			Seggar-clay ...	...	2	4			
Soft blue metal, mixed with iron ...	...	0	1	9			COAL ...	...	0	7			
Post ...	...	0	0	9			Band ...	...	0	2			
Dark seggar-clay ...	...	0	0	6			COAL ...	...	0	6			
Post ...	...	0	1	0							0	4	4
Carried forward	8	2	1	36	3	11	Post ...	...	0	5	0		
											0	5	0
							Total ...	...	54	4	10		

No. 2,967.—STANNINGTON.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 6' 28", Long. 1° 38' 45".

Account of Strata sunk and bored through in the Briery Hill Pit, Stannington, 1874.

Approximate surface-level 190 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.				
<i>Sinking:—</i>										<i>Brought forward</i>			
Soil ...	...	...	...	0	1	0				6	0	10	1 9
Yellow clay ...	...	...	...	0	4	6							
Gravel ...	...	...	...	0	4	0				0	0	11	
Loamy clay ...	...	...	...	0	1	6				0	0	3	
Strong stony blue clay ...	...	...	...	2	5	6				0	4	6	
							4	4	6				
Post girdles, with grey metal ...	...	...	...	0	0	8							
White post ...	...	...	...	0	1	4							
COAL ...	...	...	...	0	0	11							
							0	2	11				
Light seggar-clay ...	...	...	...	0	2	0							
Brown and white post ...	...	...	...	0	4	0							
Bastard post, with whin girdles ...	...	...	...	0	0	8							
Mild brown and white post ...	...	...	...	1	4	9							
COAL ...	Ft. In.			1	4								
Dark seggar-clay ...	...	...	...	1	9								
COAL ...	...	...	...	0	6								
							0	3	7				
							3	3	0				
Seggar-clay ...	...	...	...	0	0	8							
Mild post, with seggar-clay ...	...	...	...	0	1	4							
Posty seggar-clay, with iron balls ...	...	...	...	0	3	0							
Posty seggar-clay ...	...	...	...	0	4	0							
COAL ...	...	...	...	0	0	4							
							1	3	4				
Seggar-clay ...	...	...	...	0	0	8							
Mixed freestone ...	...	...	...	1	3	4							
Hard freestone, with gulleets ...	...	...	...	2	4	0							
Grey metal ...	...	...	...	0	4	3							
Brown freestone girdles ...	...	...	...	0	0	8							
Mild post ...	...	...	...	0	1	7							
Grey metal parting ...	...	...	...	0	0	2							
Brown freestone post ...	...	...	...	0	2	0							
Grey metal parting ...	...	...	...	0	0	2							
Dark grey post ...	...	...	...	0	1	6							
Brown freestone girdle ...	...	...	...	0	0	4							
Grey metal parting ...	...	...	...	0	0	2							
Carried forward				6	0	10	10	1	9				
										<i>Brought forward</i>			
Grey post, mixed with freestone ...	...	...	...	0	0	11							
Grey metal parting ...	...	...	...	0	0	3							
Brown freestone girdles ...	...	...	...	0	4	6							
Brown freestone, with gulleets and water ...	...	...	...	1	5	11½							
Bastard whin ...	...	...	...	0	2	8							
Dark brown sand ...	...	...	...	0	0	4							
Brown post ...	...	...	...	1	5	8							
Blue metal, with ironstone girdles...	...	...	...	1	1	6							
Grey metal, with post girdles ...	...	...	...	1	3	0							
White and grey post, with water...	...	...	...	0	2	0							
Brown post ...	...	...	...	0	2	6							
Blue metal parting ...	...	...	...	0	0	2							
Grey and white post, with whin ...	...	...	...	0	2	10							
Blue metal parting ...	...	...	...	0	0	4							
Brown and white post, with water...	...	...	...	0	3	6							
Blue metal parting ...	...	...	...	0	0	2							
Grey post, with coal pipes ...	...	...	...	0	4	6							
Dark blue metal, with post girdles...	...	...	...	0	4	0							
COAL ...	...	...	...	0	0	2							
										17	3	9½	
Fire-clay ...	...	...	...	0	0	4							
Grey metal ...	...	...	...	0	1	0							
Blue metal ...	...	...	...	0	0	6							
COAL ...	...	...	...	0	0	6							
										0	2	4	
Fire-clay ...	...	...	...	0	3	6							
Dark metal ...	...	...	...	0	1	10							
Slaty band ...	...	...	...	0	0	4							
COAL, good ...	...	...	...	0	2	6½							
										1	2	2½	
Seggar-clay, good ...	...	...	...	0	4	0							
Seggar-clay, with ironstone balls ...	...	...	...	0	5	9							
										1	3	9	
										31	1	10	
<i>Bored further:—</i>													
Post girdles, with water ...	...	...	...	0	1	6							
Carried forward				0	1	6	31	1	10				

No. 2,967.—STANNINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	6	31	1	10	Brought forward	0	2	0	51	5	11
Soft blue metal ...	1	1	3				Grey metal ...	0	4	0			
Soft grey metal ...	2	3	10				Soft post ...	0	3	0			
Mild grey post ...	0	3	6				Grey metal ...	0	0	9			
Grey metal ...	0	4	0				Black band or loam						
Mild grey post ...	1	0	0				coal ...	0	0	4			
Grey metal ...	2	0	0								1	4	1
Grey post ...	1	2	0				Grey metal ...	2	0	0			
White post ...	1	1	0				Mild white post ...	2	4	4			
COAL ...	0	0	6				Grey post ...	0	4	0			
				10	5	7	Dark seggar-clay ...	1	1	6			
Grey metal ...	0	2	0				Grey post ...	2	1	5			
White post, with							Gulley sandstone ...	0	0	4			
water ...	0	1	6				Strong post ...	2	1	7			
Dark blue metal ...	0	4	10				Dark metal ...	0	0	3			
COAL ...	0	0	2				Grey metal ...	3	0	0			
				1	2	6	Grey post ...	1	2	2			
Grey metal ...	1	1	3				Dark metal ...	1	2	2			
Strong post ...	3	1	9				COAL ...	0	0	8			
Whin girdle ...	0	2	8								17	0	5
Strong white post ...	2	4	0				Seggar-clay ...	0	2	6			
COAL ...	0	4	4				White post, into ...	1	0	10			
				8	2	0					1	3	4
Seggar-clay, good ...	0	2	0										
Carried forward	0	2	0	51	5	11	Total ...				72	1	9

No. 2,968.—STANNINGTON.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 6' 31", Long. 1° 40' 23".

Account of Strata sunk through in the Church Pit, near Stannington Village, 1878.

Approximate surface-level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	2	8	4	5	0
Yellow clay ...	0	3	0										
Gravel ...	0	1	0				Ft. In.						
Gravelly clay ...	4	0	0				COAL ...	2	8				
				4	5	0	Seggar-clay ...	0	0½				
Firm light freestone	2	3	0				COAL ...	1	0				
Loose brown free-							Seggar-clay ...	1	3				
stone ...	3	4	0				COAL ...	1	0				
White post ...	0	1	0							0	5	11½	
Seggar-clay, with											7	2	7½
brown band ...	0	0	8				Post ...			0	3	0	
											0	3	0
Carried forward	6	2	8	4	5	0	Total ...				12	4	7½

No. 2,969.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON WOODSIDE, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 57' 8", Long. 1° 47' 3".

Account of Strata sunk through in the A Pit, Greenside, 1795-1796.

Approximate surface-level 497 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Pit refuse ...	0	1	6				Brought forward	42	1	10			
Clay ...	1	0	0				Thill ...	0	1	4			
Gravel ...	1	5	6				Grey post ...	0	4	4			
Post ...	0	2	2				Brown post and whin ...	0	2	4			
Hard grey post ...	0	1	10				Dun whin ...	0	1	1			
Brown post ...	3	1	6				Brown post ...	0	1	0			
White post, with							Brown post and whin ...	0	0	8			
grey partings ...	2	5	0				Grey metal ...	0	1	6			
Blue metal ...	0	1	6				Brown post ...	0	2	1			
Main Coal Seam—							Blue metal ...	1	0	3			
COAL ...	1	0	6	11	1	6	Towneley Seam—						
Thill ...	0	4	0				COAL ...	0	3	1			
Blue metal ...	6	0	0				Thill ...	0	2	6	3	5	8
White post ...	0	1	10				Blue metal ...	0	4	3			
Blue metal ...	0	3	0				COAL ...	0	0	9			
Brown post ...	3	1	9								1	1	6
Craw Coal Seam—							Thill ...	0	0	7			
COAL ...	0	2	3	11	0	10	Blue metal ...	1	1	10			
Blue metal ...	1	0	6				COAL ...	0	0	5			
COAL ...	0	0	9	1	1	3					1	2	10
Blue metal ...	0	4	2				Thill ...	0	1	4			
Candle Coal Seam—							Brown post ...	0	0	8			
COAL ...	0	3	6	1	1	8	Grey post ...	0	5	10			
Blue metal ...	0	1	6				White post, with						
Old Five-Quarter							partings ...	0	2	6			
Seam—							Cash partings ...	0	0	2			
COAL ...	0	3	8	0	5	2	White post, with						
Thill ...	0	1	8				black stone ...	3	1	5			
Blue metal ...	1	3	7				Tilley Seam—						
White post ...	3	3	9				COAL ...	0	2	2			
Ruler Seam—											5	2	1
COAL ...	0	1	10	5	4	10	Thill ...	0	2	10			
Thill ...	0	1	9				Blue metal ...	0	1	10			
Blue stone ...	0	5	0				Grey post ...	1	5	7			
Brown post ...	0	1	4				Blue metal ...	0	0	7			
White post ...	0	1	0				Grey post ...	3	2	1			
Brown post ...	5	0	0				Blue metal ...	0	3	2			
Black metal ...	1	4	6				Stone Coal Seam—						
Thill ...	0	2	3				COAL ...	0	2	6			
COAL ...	0	0	7	8	4	5					7	0	7
Thill ...	0	2	8				Thill ...	0	3	0			
Grey post ...	0	4	9				Grey post ...	1	2	4			
Blue metal ...	0	3	11				Blue metal ...	0	1	6			
COAL ...	0	0	10	2	0	2	Grey post ...	0	2	4			
							Blue metal ...	0	2	1			
Carried forward	42	1	10				Five-Quarter Seam—						
							COAL ...	0	3	4			
											3	2	7
							Seggar-clay ...	0	1	9			
							Grey post ...	0	4	11			
							Blue metal ...	0	1	3			
							Carried forward	1	1	11	64	5	1

No. 2,970.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	0	22	0	7½	Brought forward	0	3	0	45	2	9
Grey metal ...	...	2	3	5½			Grey post ...	...	0	3	8		
White post ...	...	6	3	3			Blue stone ...	...	1	2	0		
<i>Brockwell Seam—</i>							COAL ...	...	0	2	0		
COAL ...	...	0	3	0							2	4	8
				10	0	8½	Clay ...	...	0	0	6		
Grey thill ...	...	0	3	0			Blue stone, with	...	0	3	8		
Grey metal post	...	1	3	0			post girdles ...	...	0	5	5½		
COAL ...	...	0	1	0			Blue metal, with	...	1	1	10		
				2	1	0	grey post girdles...	...	0	0	6		
				34	2	4	COAL ...	...	0	0	6		
<i>Bored further:—</i>											2	2	3½
Mild grey post	...	0	1	9			Thill ...	...	0	0	10		
Blue stone ...	...	0	2	0			Grey post ...	...	0	3	0		
White post ...	...	1	3	4			Blue metal ...	...	0	2	8		
Mild parting	...	0	0	4			White post, with	...	1	1	8		
White post ...	...	1	3	9			partings ...	...	0	1	1		
White post, with	...	1	3	0			COAL ...	...	0	1	1		
partings ...	...	0	2	0							2	3	3
Blue stone ...	...	0	2	0			Thill ...	...	0	1	0		
Grey post ...	...	0	3	2			Blue metal, with post	...	1	0	11		
White post, with	...	3	5	5			girdles and black	...	1	1	2		
partings ...	...	0	2	0			stone ...	...	0	0	9		
Blue stone ...	...	0	2	0			White post ...	...	1	0	7		
Black stone, with	...	0	2	2			Blue metal ...	...	1	0	7		
coal pipes ...	...	0	1	6			Strong white post	...	0	3	3		
COAL ...	...	0	1	6			Strong white post,	...	0	3	3		
				11	0	5	with partings ...	...	4	1	8		
Clay ...	...	0	3	0									
Carried forward	0	3	0	45	2	9	Total ...	...	57	2	7½		

No. 2,971.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 58' 11", Long. 1° 43' 46".

Account of Strata passed through in a Bore-hole, near the Brewery, at Stella.

Approximate surface-level 50 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black dirt	0	2	6			Brought forward	0	4	0	10	2	6
Strong brown clay	2	0	0			Grey post ...	...	0	0	10		
Clay, with sand beds	...	0	5	0			Yellow post ...	...	0	0	9		
Clay, with tumbler	...	4	2	8			Grey post ...	...	1	3	6		
stones	1	4	0			Blue metal ...	...	0	3	6		
Sand	1	0	4			Supposed <i>Brockwell</i>						
Dark brown sandy	...	1	0	4			<i>Seam—</i>						
clay	10	2	6			COAL ...	...	0	3	1		
											3	3	8
Grey post	0	1	3			Grey metal ...	...	1	5	7		
Soft yellow post	...	0	0	5			White post ...	...	0	1	7		
Hard white post	...	0	1	9			Blue metal ...	...	0	1	7		
Soft yellow post	...	0	0	7			Hard white post	...	0	0	11		
Carried forward	0	4	0	10	2	6	Carried forward	2	3	8	14	0	2

No. 2,971.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	8	14	0	2	Brought forward	7	1	7	16	4	11
Blue metal ...	0	0	9				Grey post ...	0	2	4			
COAL ...	0	0	4				Blue metal parting	0	0	3			
				2	4	9	Grey post ...	0	0	10			
Blue metal ...	1	1	1				Blue metal ...	0	4	7			
Hard grey girdles ...	0	1	0				COAL ...	0	1	1			
Blue metal ...	1	2	3								8	4	8
Post girdles ...	0	0	9				Blue metal ...	0	1	3			
Blue metal ...	0	1	11				Grey metal ...	2	1	9			
Grey post ...	1	0	1				COAL ...	0	1	6			
White post ...	0	3	6								2	4	6
Grey post ...	0	3	2				Blue metal ...	0	1	2			
Strong white post ...	1	1	10								0	1	2
Extra hard post ...	0	4	0										
Carried forward	7	1	7	16	4	11	Total ...				28	3	3

No. 2,972.—STOBSWOOD.

TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole in the Guide Post Field, Stobswood, for the Stobswood Coal Company, by Messrs. William Coulson and Son.

Approximate surface-level 180 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	3	6				Brought forward	1	0	4	15	4	7
Brown clay ...	1	4	6				Dark grey shale ...	0	0	6			
Soft red clay...	1	3	7				Mild light grey post	0	1	2			
Sand, with a little water ...	2	0	8				Hard grey post girdle ...	0	0	8			
Strong brown clay ...	5	4	8				Mild light grey post	0	1	8			
				11	4	11	Grey shale ...	0	3	3			
Dark grey shale ...	0	2	10										
COAL ...	0	0	3										
				0	3	1							
Light mild grey post, with shale partings and water	0	5	9										
Dark grey shale ...	1	3	0										
Grey post, with shale partings ...	0	3	2										
COAL ...	0	3											
Grey shale band ...	0	3											
COAL , coarse, with splint	1	0											
COAL , coarse	0	5											
Splint ...	0	4											
COAL , coarse	0	5											
				0	2	8							
Very dark shale ...	0	0	3½										
Light grey shale, with coal pipes ...	1	0	0½										
Carried forward	1	0	4	15	4	7	Carried forward				22	0	11

No. 2,972.—STOBSWOOD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				22	0	11	Brought forward	1	0	11	29	2	10
Seggar-clay ...	0	2	1				Grey post, with shale						
Strong grey post,							partings ...	0	3	0			
with metal part-							Dark grey shale ...	0	5	0			
ings ...	0	4	6				Black shale ...	0	0	4			
Mild dark grey							COAL ...	0	0	3			
metal, with black											2	3	6
partings ...	0	1	9				Light grey shale ...	0	1	7			
Light grey shale ...	0	1	2				White post, with						
Mild grey post, with							shale partings and						
metal partings ...	1	5	2				coal pipes ...	3	4	11			
Whinstone ...	0	0	6										
Strong grey metal,							Ft. In.						
with post girdles...	1	2	10				Black shale ...	0	2				
Whin ...	0	0	6				COAL ...	0	3½				
Grey shale, with post							Band ...	0	4				
girdles ...	1	2	0				COAL ...	1	1				
White post ...	0	3	11							0	1	10½	
Soft grey shale ...	0	0	2								4	2	4½
							Seggar-clay ...	0	2	5½			
COAL , with							Grey metal ...	0	1	11			
shale part-							COAL ...	0	0	3			
ings ...	1	0									0	4	7½
Shale, mixed							Strong dark grey						
with coal ...	0	4					metal ...	0	0	10			
				0	1	4	Seggar-clay, with						
							coal pipes ...	0	2	3			
				7	1	11	Grey post, with shale						
Soft grey shale ...	0	0	2				partings and coal						
Grey post, with shale							pipes ...	2	4	8			
partings ...	0	4	9								3	1	9
Whin ...	0	2	0										
Carried forward	1	0	11	29	2	10	Total ...				40	3	1

No. 2,973.—STOBSWOOD.

TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 3 Bore-hole at Stobswood, about half-a-mile West of the previous Bore-holes, 1891.

Approximate surface-level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	0	2	9	10	0	0
Yellow clay, mixed							COAL , with a little						
with sand ...	0	4	0				water ...	0	0	6			
Brown clay ...	2	4	6								0	3	3
Sand, with water ...	0	2	6				Soft light grey metal	0	5	4			
Brown stony clay ...	3	3	0				Dark grey metal,						
Dark stony clay ...	2	3	0				with post girdles	2	4	6			
				10	0	0	White post, with						
Dark grey metal,							water ...	4	1	5			
with a little coal	0	2	6				Black metal, with a						
Brown metal, with a							little coal ...	0	0	9			
little coal ...	0	0	3				Dark grey shale ...	0	1	2			
Carried forward	0	2	9	10	0	0	Carried forward	8	1	2	10	3	3

No. 2,974.—STOBSWOOD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	3	38	2	8	Brought forward	0	5	10	44	2	0
Grey shale ...	0	2	9				Soft light grey shale	0	3	6			
	Ft.	In.					White post ...	5	3	5			
Black stone, mixed with coal ...	0	4					COAL ...	1	7				
COAL , coarse near the bottom ...	1	8					Shale band ...	1	5½				
			0	2	0		COAL , mixed with black stone ...	0	7½				
				3	2	0	COAL , coarse ...	0	11				
Dark grey metal, with ironstone balls	2	2	3				Grey shale ...	0	6½				
COAL , tender near the bottom ...	0	1	1				COAL , coarse ...	0	7				
				2	3	4			0	5	8½		
Dark grey metal ...	0	5	2				Dark grey shale ...	0	0	3½			
Black stone and coal	0	0	8				Light grey shale ...	0	1	2			
							White post ...	1	2	1			
Carried forward	0	5	10	44	2	0				1	3	6½	
							Total ...			54	0	0	

No. 2,975.—STOBSWOOD.

TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole, Stobswood Colliery, 1891.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	0	11	9	5	4
Stony clay ...	3	0	6				Shale, or dark grey metal ...	0	2	4			
Quicksand, with water ...	1	1	6				Strong dark grey shale ...	0	0	8			
Stony clay ...	2	2	5				Dark grey metal ...	0	4	2			
Grey metal ...	0	0	6				Black metal, with a little coal ...	0	0	7			
Stony clay ...	0	0	6				COAL , bright ...	0	1	6			
				7	0	5				2	4	2	
Light grey metal ...	0	5	0				Dark grey metal ...	0	2	10			
Dark metal ...	0	1	6				Strong dark grey metal ...	0	2	0			
COAL ...	0	0	8				Dark metal, with a little coal ...	0	0	2½			
				1	1	2	COAL , with water ...	0	2	9			
Dark metal ...	0	1	0							1	1	9½	
Light grey metal ...	1	0	3				Dark grey metal ...	0	0	4			
Very dark metal ...	0	0	4				Light grey metal ...	0	4	10			
COAL ...	0	2	2				Dark grey metal ...	1	4	3			
				1	3	9	Strong dark grey metal, with coal threads ...	0	2	3			
Light grey metal ...	0	1	6				COAL ...	0	1	2½			
Dark grey metal ...	0	0	5							3	0	10½	
Black metal, with coal ...	0	0	6				Carried forward			17	0	2	
Light grey metal ...	0	3	0										
Strong dark grey metal ...	0	1	0										
Soft light grey metal	0	0	6										
Carried forward	1	0	11	9	5	4							

No. 2,975.—STOBSWOOD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				17	0	2	Brought forward	0	1	8½	19	5	10
Light grey metal ...	0	2	0				White post ...	0	3	9			
COAL ...	0	0	2½				Dark grey metal ...	0	0	3			
				0	2	2½	Dark post ...	2	0	6			
Dark grey metal ...	2	2	4				Light post ...	0	2	0			
							White post ...	6	5	2			
COAL ...							Light grey metal ...	0	0	3			
Dark grey metal ...	0	6½					COAL ...	0	1	0			
COAL ...	0	4									10	2	7½
				0	1	1½	Brown shale ...	0	0	1			
				2	3	5½	Black stone, with						
Strong light grey metal ...	0	1	8½				coal pipes ...	0	0	5			
							White post ...	0	1	3			
											0	1	9
Carried forward	0	1	8½	19	5	10	Total ...				30	4	2½

No. 2,976.—STOBSWOOD.

TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in the No. 2 Bore-hole, Stobswood Colliery.
Commenced July 24th, 1891.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	12	1	0			
Stony clay ...	4	0	4				Dark grey metal ...	0	1	0			
Quicksand, with							Dark and light grey						
water ...	0	5	6				metal ...	1	1	8			
Stony clay ...	2	1	0				Dark grey metal, with						
				7	1	10	a little coal ...	0	0	3			
Grey metal ...	0	1	0										
Black metal, with a							COAL ...						
little coal ...	0	1	0				COAL and						
Grey metal ...	1	2	8				stone ...	0	4				
Grey metal, with a							COAL ...	0	2				
little coal ...	0	0	2				Stone and coal ...	0	2				
							COAL ...	0	8				
COAL , strong							Stone and coal ...	0	4				
Grey metal ...	0	10					COAL ...	0	2				
COAL ...	0	8					Stone and coal ...	0	4				
				0	2	3					0	2	8
				2	1	1					1	5	7
Light grey metal ...	0	3	7				Dark grey metal ...	0	0	4			
Strong dark grey							Light grey metal ...	1	1	7			
metal ...	0	0	9				Hard dark grey stone	0	1	0			
Dark grey metal ...	1	4	2				Strong dark grey						
Black band, with a							metal ...	1	0	0			
little coal ...	0	0	8				Black metal, with a						
COAL ...	0	0	11				little coal ...	0	1	2			
				2	4	1	Dark grey metal ...	0	0	6			
							Black stone ...	0	0	2			
Carried forward				12	1	0	Carried forward	2	4	9	14	0	7

No. 2,976.—STOBSWOOD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	4	9	14	0	7	Brought forward	2	5	1	17	1	0
		Ft.	In.						Ft.	In.			
COAL ...	0	9					COAL ...	0	5				
Shale band ...	0	1					Dark grey metal ...	0	3				
COAL ...	0	10					COAL ...	0	6				
			0	1	8		COAL and black stone	0	3				
					3	0	5			0	1	5	
Light grey metal ...	0	1	7								3	0	6
COAL ...	0	0	2										
Dark grey metal ...	2	3	0										
Black metal, with a little coal ...	0	0	4				Light grey metal ...	2	0	0			
											2	0	0
Carried forward	2	5	1	17	1	0	Total ...				22	1	6

No. 2,977.—STOBSWOOD.

TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole put down from the Two-feet Seam met with in the Shaft at 38 fathoms 3 feet 9 inches from the Surface, 1883.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dark grey shale, with post girdles ...	1	3	2				Brought forward	7	4	2	1	4	8
COAL ...	0	1	6				Ft. In.						
				1	4	8	COAL ...	1	7				
Grey shale, with post girdles ...	1	1	8				Seggar-clay ...	1	6				
Black stone and coal	0	0	10				COAL, coarse, with threads of shale ...	0	7				
Light grey shale ...	0	3	0				Band, mixed with coal ...	0	5				
White post, with water ...	5	3	6				COAL ...	1	10				
Dark grey shale ...	0	1	2					0	5	11			
											8	4	1
							Dark grey shale ...	0	1	7			
											0	1	7
Carried forward	7	4	2	1	4	8	Total ...				10	4	4

No. 2,978.—STOBSWOOD.

TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole from a Thin Seam in the Exploring Drift, Stobswood Colliery Bore-hole. Commenced May 15th, 1905.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	1	4	4				Brought forward	1	0	6	2	0	2
COAL ...	0	1	10				COAL ...	0	0	9			
				2	0	2					1	1	3
Grey metal ...	1	0	6				Grey metal ...	0	4	10			
Carried forward	1	0	6	2	0	2	Carried forward	0	4	10	3	1	5

No. 2,978.—STOBSWOOD.—CONTINUED.

Brought forward					Brought forward				
Fs.		Ft.		In.	Fs.		Ft.		In.
0		4		10	2		4		14
5		2		4	5		2		11
White post ...					Two-Feet Seam—				
COAL ...					COAL ...				
Seggar-clay ...					Grey metal ...				
COAL ...					Post ...				
Seggar-clay ...					Grey metal ...				
COAL ...					Blue metal ...				
Seggar-clay ...					COAL ...				
COAL ...					Seggar-clay ...				
COAL ...					Grey metal ...				
COAL ...					Grey metal, with post				
COAL ...					girdles ...				
COAL ...					Blue metal, with post				
COAL ...					girdles ...				
COAL ...					Blue metal ...				
COAL ...					COAL ...				
COAL ...					Seggar-clay ...				
COAL ...					COAL ...				
COAL ...					Band ...				
COAL ...					COAL ...				
COAL ...					Band ...				
COAL ...					COAL ...				
COAL ...					Band ...				
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No. 2,979.—STOCKTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	5	11	4	4	Brought forward	14	0	3	11	4	4
Hard red sandstone, with soft red metal partings, and water near the bottom ...	9	5	6				Soft red metal, with girdles and water	0	5	0			
Hard white rock or gypsum ...	0	1	4				Hard red sandstone	1	1	3			
Hard red sandstone	0	5	0				Soft red metal and veins of gypsum ...	1	0	1			
							Hard red sandstone, with water ...	3	1	2			
											20	1	9
Carried forward	14	0	3	11	4	4	Total ...				32	0	1

NOTE: Well was repaired in June, 1879, when the small tubes were drawn out and found to have been eaten through by the water.

No. 2,980.—STONECROFT.

TOWNSHIP OF NEWBROUGH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. 55° 0' 57", Long. 2° 13' 13".

Account of Strata sunk through in the Greyside Shaft, Stonecroft Mine.

Approximate surface-level 495 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	9	5	0				Brought forward	12	5	0	9	5	0
				9	5	0	Whetstone ...	0	5	0			
Plate ...	7	5	0				Whin ...	29	2	3			
Limestone ...	0	3	0				Plate ...	1	1	6			
Plate ...	2	2	0								44	1	9
Tyne Bottom Lime- stone ...	2	1	0										
Carried forward	12	5	0	9	5	0	Total ...				54	0	9

No. 2,981.—STONECROFT.

TOWNSHIP OF NEWBROUGH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Stonecroft New Shaft.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	10	0	0				Brought forward	41	4	0	10	0	0
				10	0	0	Plate ...	3	0	0			
Limestone ...	1	3	0				Limestone ...	1	3	0			
Whin ...	25	3	0				Grey beds ...	5	0	0			
Plate and grey beds	13	0	0				Plate ...	1	0	0			
Limestone ...	1	4	0								52	1	0
Carried forward	41	4	0	10	0	0	Total ...				62	1	0

NOTE: There are strong veins near the shaft, and consequently the above section is not very reliable,

No. 2,982. STONECROFT.

TOWNSHIP OF NEWBROUGH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. _____, Long. _____

*Account of Strata sunk through in the New Shaft, Stonecroft Mines,
Newbrough, March 24th, 1893.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	4	1	0				Brought forward	12	2	0	4	1	0
				4	1	0	Limestone, into ...	1	0	0			
Freestone	1	2	0								13	2	0
Plate	11	0	0										
Carried forward	12	2	0	4	1	0	Total ...				17	3	0

No. 2,983.—STUBLICK.

TOWNSHIP OF WEST QUARTER, ALLENDALE, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. _____, Long. _____

Account of Strata sunk through in the West Pit, Stublick Colliery.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel	0	3	7				Brought forward				10	1	9
Clay	4	3	0				Fire-clay	0	3	0			
Post	2	5	0				Blue metal	4	3	3			
Plate	1	1	0				Three-Quarter Seam—						
COAL	0	0	6				COAL	0	2	8			
				9	1	1					5	2	11
Fire-clay	0	4	0				Blue metal	3	3	4			
Yard Coal Seam—							Main Coal Seam—						
COAL	0	2	8				COAL	0	3	8			
				1	0	8					4	1	0
Carried forward				10	1	9	Total ...				19	5	8

No. 2,984.—SUNDERLAND.

TOWNSHIP OF SUNDERLAND, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____

*Account of Strata passed through in the No. 1 Bore-hole in Messrs. S. P. Austin
and Son, Limited's Wear Dock Yard, Sunderland.
Commenced May 20th, 1901.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From scaffold to quay							Brought forward	5	1	10			
wall	0	2	4				Marl	1	2	0			
Forced ground ...	1	3	0				Limestone girdle ...	0	0	2			
Marl and broken							Hard marl, into ...	1	0	0			
limestone	3	0	6								7	4	0
Strong limestone ...	0	2	0										
Carried forward	5	1	10				Total ...				7	4	0

No. 2,985.—SUNDERLAND.

TOWNSHIP OF SUNDERLAND, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____

*Account of Strata passed through in the No. 2 Bore-hole in Messrs. S. P. Austin and Son, Limited's Wear Dock Yard, Sunderland.
Commenced May 20th, 1901.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From scaffold to quay wall ...	0	3	5				Brought forward	3	3	9			
Forced ground ...	2	1	6				Marl and broken limestone, into ...	4	1	4			
River mud ...	0	4	10								7	5	1
Carried forward	3	3	9				Total ...				7	5	1

No. 2,986.—SUNDERLAND.

TOWNSHIP OF SUNDERLAND, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____

*Account of Strata sunk through in the No. 6a Bore-hole in Messrs. S. P. Austin and Son, Limited's Wear Dock Yard, Sunderland.
Commenced June 3rd, 1901.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From scaffold to quay wall ...	0	1	6				Brought forward	8	5	6			
From quay wall to river bed ...	3	1	0				Marl, with broken limestone ...	0	1	6			
River mud ...	0	3	6				Limestone, into ...	0	2	6			
Sand ...	4	5	6								9	3	6
Carried forward	8	5	6				Total ...				9	3	6

No. 2,987.—SUNDERLAND.

TOWNSHIP OF SUNDERLAND, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in the No. 9 Bore-hole in Messrs. S. P. Austin and Son, Limited's Wear Dock Yard, Sunderland, August, 1901.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From scaffold to quay wall ...	0	1	10				Brought forward				9	4	4
From quay wall to river bed ...	3	1	6				Limestone and marl	1	3	5			
Sand and gravel ...	1	4	0				Soft grey mud ...	0	3	5			
Light sand, with water ...	2	5	8				Limestone and marl	0	4	4			
Dark grey sand, with water ...	1	3	4				Limestone, into ...	0	3	0			
						9					3	2	2
Carried forward						9	4	4					
							Total ...				13	0	6

No. 2,988.—SUNDERLAND.

TOWNSHIP OF SUNDERLAND, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____

Account of Strata sunk through in a Well at Messrs. Thompson and Sons, Limited's Yard, Sunderland, by Messrs. C. Isler and Company, Limited, London, September 4th, 1895.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dug well (made ground) ...	1	4	0				Brought forward	15	0	0			
Limestone ...	1	3	0				Limestone ...	0	4	0			
Limestone layers and sand ...	3	3	0				Limestone layers and sand ...	0	5	0			
Live sand ...	0	3	0				Limestone ...	2	4	0			
Limestone ...	3	0	0				Limestone layers and sand ...	0	3	0			
Live sand ...	0	1	0								19	4	0
Limestone ...	4	0	0				Limestone ...	9	0	0			
Limestone layers and sand ...	0	4	0				Marl and limestone	0	5	0			
											9	5	0
Carried forward	15	0	0				Total ...	29	3	0			

NOTE: Yield, 1,650 gallons per hour at 50 feet water level.

No. 2,989.—SUNDERLAND.

TOWNSHIP OF SUNDERLAND, DURHAM.

Sheet 8 of Ordnance Map. Lat. _____, Long. _____

Account of Strata passed through in a Bore-hole at South Dock, Sunderland, for The North Eastern Marine Engineering Company, Limited.
Commenced May 27th, 1899.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow marl... ..	0	5	0				Brought forward	19	1	2	4	1	4
Gravel	0	1	6				Limestone and marl	1	5	2			
Sand and gravel ...	2	3	6				Soft yellow limestone and marl ...	0	3	1			
Very dark sand ...	0	1	0				Soft yellow marl ...	0	1	9			
Sand and gravel ...	0	2	4				Hard yellow limestone ...	1	2	2			
				4	1	4	Soft yellow limestone	0	3	0			
Yellow marl... ..	0	2	2				Soft yellow limestone and marl ...	0	4	0			
Hard grey limestone	0	0	9				Hard brown limestone ...	2	4	4			
Yellow marl, with hard panels ...	5	4	9				Marl and sand ...	0	2	0			
Yellow limestone, with soft partings	2	5	0				Soft brown limestone	1	2	0			
Hard yellow limestone ...	1	0	6				Hard brown limestone ...	2	5	3			
Hard yellow limestone, with soft partings ...	6	0	3				Open space ...	1	2	0			
Yellow limestone and marl ...	1	4	6								32	5	11
Hard yellow limestone ...	1	1	3				Hard brown limestone, into ...	0	4	3			
											0	4	3
Carried forward	19	1	2	4	1	4	Total ...	37	5	6			

No. 2,990.—SWALWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. about $54^{\circ} 56' 41''$, Long. about $1^{\circ} 41' 56''$.

Account of Strata passed through in a Bore-hole in the Cowhill Field, Woodhouse, near Swalwell. Commenced March 16th, 1871; and stopped June 10th, 1871.

Approximate surface-level about 120 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	7	3	11	24	1	3
Yellow clay	0	4	0				Soft light grey metal	1	1	9			
Hard dark stony clay, with thin beds of sand ...	6	2	10				Mild grey post, with coal pipes and thin partings ...	1	1	3			
Yellow freestone ...	0	5	5				Mild white post, with a gullet near the bottom ...	1	4	7			
Hard stony blue clay	0	2	2				Dark grey or blue metal ...	0	2	0			
Grey whin	0	0	11				COAL	0	0	5			
Hard stony blue clay	6	3	2								12	1	11
Soft yellow freestone, with strong girdles	2	2	10				Soft grey metal ...	0	1	6			
Soft blue metal ...	0	2	6				Hard white post, with soft grey post partings ...	6	1	5			
Soft light freestone	0	2	0				Soft blue metal ...	0	2	6			
Soft yellow freestone, with strong girdles	0	5	9				Soft grey metal ...	0	1	10			
Hard yellow freestone, with a gullet three feet from the top: lost the water	3	4	0				Hard white post ...	0	3	6			
Dark grey metal ...	0	2	6				Strong grey metal, with post girdles and coal pipes ...	1	0	11			
Black metal	0	3	1				COAL	0	0	6			
COAL	0	0	7								9	0	2
				24	1	3	Light thill	0	0	2			
Grey metal thill ...	0	0	3				Strong grey post ...	0	2	4			
Dark grey metal ...	0	2	3				Hard white post, with thin partings and water ...	4	3	1			
Dark brown metal ...	0	0	9								4	5	7
Mild grey post, with thin metal partings	1	2	0										
Hard white post, with thin yellow partings and iron-stone balls, coal pipes and water ...	5	4	8										
Carried forward	7	3	11	24	1	3	Total				50	2	11

No. 2,991.—SWALWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. about $54^{\circ} 56' 38''$, Long. about $1^{\circ} 42' 10''$.

Account of Strata passed through in the No. 2 Bore-hole at Woodhouse, near Swalwell, in the Banks near the Railway, 1871.

Approximate surface-level about 100 feet above sea (Ordnance datum).

No. 2,991.—SWALWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	10				Brought forward	9	1	8	25	1	3
Running gravel, sand and water	2	4	0				Strong grey metal, with thin post gir- dles	1	0	4			
Dark strong clay ...	5	0	5				COAL	0	0	6½			
Yellow freestone, with water	3	2	11								10	2	6½
Blue metal	0	5	9				Grey metal, with post girdles	2	2	0			
Black metal	0	1	0				COAL	0	0	3			
Mild grey metal, with scares of coal	0	5	2								2	2	3
Mild white post ...	2	2	9				Strong grey post, with metal part- ings, and a whin ball 8 inches from the top	2	5	0			
Dark grey metal ...	0	1	3				Strong dark grey metal, with thin post girdles ...	1	1	5			
COAL	0	0	9				Mild grey post ...	1	1	4			
				16	1	10	Dark grey metal, with 1 inch of coal at bottom	0	5	6			
Light grey metal ...	0	1	2				Mild white post, with whin balls	1	1	3			
White and grey post, with metal part- ings, whin balls and water	7	3	10				Dark grey metal, with grey post gir- dles	4	3	6½			
Strong grey metal, with thin post gir- dles	0	5	10								12	0	0½
COAL	0	0	7										
				8	5	5							
Soft grey metal ...	0	1	8										
Grey post, with metal partings	0	3	6										
Hard white post, with thin metal partings, a feeder of spar water 9 feet from the top, and 1 foot of whin at the bottom	8	2	6										
Carried forward	9	1	8	25	1	3	Total				50	0	1

No. 2,992.—SWALWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 28", Long. 1° 41' 47".

*Account of Strata passed through in the No. 3 Bore-hole at Woodhouse, near
Swalwell, in the West Bank Field, 20 yards from the North Hedge,
and 50 yards from the Back Lane.*

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	3	4	6			
Gravel, sand and clay	1	1	6				Light metal, with 3 inches of black metal at the top, and 2 inches of coal in the middle ...	0	2	6			
Soft shivery yellow freestone	2	2	0										
Carried forward	3	4	6				Carried forward	4	1	0			

No. 2,992.—SWALWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	1	0				Brought forward	22	5	7			
Strong yellow free- stone, with soft yellow partings ...	7	1	0				Grey metal or fire- clay ...	0	3	6			
A gullet with dark thill ...	1	4	6				Strong grey post, with metal part- ings ...	3	0	0			
COAL , mixed with grey metal ...	0	1	3				Dark grey metal ...	0	1	10			
				13	1	9	COAL ...	0	3	7			
Light grey metal thill ...	1	0	0								4	2	11
Soft grey and yellow freestone ...	0	2	4				Dark grey metal, with scares of coal	0	1	2			
Light and dark grey post, with yellow partings ...	3	1	9				Grey metal thill ...	0	1	4			
							Dark grey metal, with girdles ...	0	3	6			
COAL , splint, coarse ...	0	11					Black metal ...	0	2	3			
Grey metal, with iron- stone, strong	1	2					COAL ...	0	2	6			
COAL , danty	0	9									1	4	9
				0	2	10	Dark shale, mixed with coal ...	0	1	3			
						5 0 11	Fire-clay ...	0	4	1			
Light grey metal thill, with a little dant 2 feet from the bottom ...	1	2	4				Yellow freestone, with metal part- ings ...	0	4	9			
Light and dark grey post, with yellow scares and metal partings ...	2	1	8				Mild white and grey post, with hard girdles ...	1	4	0			
Dark grey metal ...	0	2	7				Strong yellow free- stone, with a 3 inches gullet 8 feet 9 inches from the top: lost the water	4	0	5			
							Mild yellow free- stone, with metal partings ...	0	2	4			
COAL ...	1	11½					Hard white post ...	1	0	7			
Grey shale band	0	0½					COAL ...	0	2	11			
COAL ...	0	4									9	2	4
				0	2	4	Grey metal thill, into	0	1	1			
						4 2 11					0	1	1
Carried forward				22	5	7	Total ...				38	4	8

No. 2,993.—SWALWELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 29", Long. 1° 41' 50".

Account of Strata passed through in the No. 4 Bore-hole at Woodhouse Farm, Swalwell, in the West Bank Field, 60 yards from the West Hedge, and 10 yards from the North Hedge.

Approximate surface-level 225 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	11	3	9			
Soft yellow leafy clay	0	3	0				Hard yellow free- stone, with thin girdles ...	1	3	6			
Hard stony blue clay, with thin sand beds, and water ...	10	5	3								13	1	3
Carried forward	11	3	9				Total ...				13	1	3

No. 2,995.—TANFIELD LEA.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				51	1	1	Brought forward	1	4	6	51	1	1
Thill stone ...	0	2	3				White post ...	0	4	0			
Blue metal ...	0	3	0				Blue metal, with post						
White post ...	0	1	10				girdles ...	1	1	6			
Blue metal ...	0	1	9				<i>Main Coal Seam—</i>						
Grey post ...	0	0	8				COAL ...	0	3	8			
Blue metal ...	0	1	0								4	1	8
Carried forward	1	4	6	51	1	1	Total ...				55	2	9

No. 2,996.—TANFIELD LEA.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 56", Long. 1° 41' 57".

Account of Strata passed through in a Bore-hole below the Brass Thill Seam, Tanfield Lea Colliery, for Messrs. James Joicey and Company, Limited. Commenced December, 1891.

Approximate surface-level 460 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft thill ...	0	1	6				Brought forward	3	2	0	10	0	0
Seggar-clay, with							Blue metal, with post						
iron balls or gir-							girdles ...	1	0	9			
dles ...	0	3	6				Grey whin panel ...	0	1	0			
Metal ...	0	5	0				Strong grey post ...	5	1	3			
Post, with metal							Grey metal ...	0	1	6			
partings ...	0	5	0				Post ...	0	1	10			
Post ...	1	1	0				Very strong grey						
Metal, with iron-							post ...	2	2	6			
stone girdles ...	2	5	6				Grey post, with coal						
COAL ...	0	0	2				partings ...	1	2	8			
				6	3	8	Post, with metal						
Strong post ...	2	0	6				partings ...	2	4	0			
Grey metal ...	1	1	6				Mild post, with coal						
COAL ...	0	0	4				and metal partings	0	5	6			
				3	2	4	White post, with						
Seggar-clay ...	0	3	0				metal partings ...	0	5	0			
Blue metal ...	0	4	0				Metal, with post gir-						
Post ...	0	5	0				dles ...	2	1	0			
Metal ...	0	1	6				<i>Hutton Seam—</i>						
Mild post ...	1	0	6				COAL ...	0	4	6			
											21	3	6
Carried forward	3	2	0	10	0	0	Total ...				31	3	6

No. 2,997.—TANFIELD LEA.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 50", Long. 1° 41' 54".

Account of Strata passed through in a Bore-hole below the Brass Thill Seam in the Ann Pit, Tanfield Lea Colliery, for Messrs. James Joicey and Company, Limited. Commenced July 15th, 1895.

Approximate surface-level 470 feet above sea (Ordnance datum).

No. 2,997.—TANFIELD LEA.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong dark shale, with ironstone gir- dles	0	4	3				Brought forward	7	3	0			
Hard grey post, with metal part- ings	1	0	9				Hard white post ...	0	2	6			
Strong grey metal, with partings and ironstone girdles	0	1	11				Strong dark grey metal	2	0	0			
Very hard grey whin girdles	0	0	9				Very hard white post, with water...	6	1	10			
Strong leafy post, with metal part- ings and ironstone girdles	1	1	7				Very hard white post: lost water at 17 fathoms 3 feet...	3	1	3			
Dark grey metal, with post and ironstone girdles...	1	0	4				Very hard white post	0	2	6			
Light grey metal, with post and iron- stone girdles ...	1	3	0				Grey post, with metal partings	0	5	6			
Dark grey metal ...	0	1	11				Very hard grey post, with water and gir- dles	1	1	2			
Strong leafy post, with metal part- ings	1	0	6				Very hard white post	5	3	9			
							Grey post, with metal partings	3	0	3			
Carried forward	7	3	0				COAL	0	2	6			
											31	0	3
							Total				31	0	3

No. 2,998.—TANFIELD LEA.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 46", Long. 1° 42' 39".

*Account of Strata sunk through below the Main Coal Seam in the Wind Pit,
Tanfield Lea Colliery, 1898 to 1900.*

Approximate surface-level 518 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of Main Coal Seam... ..				55	5	6	Brought forward	82	3	0			
Seggar-clay	0	3	2				Seggar-clay	0	2	9			
Blue metal	1	4	1				Strong white post ...	5	0	0			
Dark grey post ...	9	0	7				COAL	0	0	6			
COAL	0	1	8								5	3	3
				11	3	6	Seggar-clay	0	4	0			
Blue metal	4	5	4				Blue metal	2	4	9			
Blue stone	3	0	8										
Strong grey post ...	6	3	10				COAL						
												
COAL	0	8					... ..					
Band	0	2					... ..					
COAL	1	4					... ..					
				0	2	2	... ..					
Carried forward				82	3	0	... ..					
							Seggar-clay	0	3	0			
							Grey metal, with post girdles	1	2	10			
							Carried forward	1	5	10	91	5	5

No. 2,998.—TANFIELD LEA.—CONTINUED.

Brought forward						Fs.	Ft.	In.	Fs.	Ft.	In.
						1	5	10	91	5	5
<i>Top Busty Seam—</i>											
						Ft. In.					
COAL ...						0	6				
Band ...						0	8				
COAL ...						2	11				
						—		0	4	1	
								2		3	11
Seggar-clay ...						0	4	0			
Dark grey metal, with iron girdles...						1	4	0			
White post ...						3	4	9			
<i>Bottom Busty Seam—</i>											
						Ft. In.					
COAL ...						2	8				
Band ...						0	2				
COAL ...						0	5				
						—		0	3	3	
								6		4	0
Seggar-clay ...						0	1	5			
White post ...						0	1	0			
Blue metal ...						1	5	6			
COAL ...						0	0	6			
						—		2		2	5
Seggar-clay ...						0	2	1			
Grey metal ...						1	0	0			
Post, with whin ...						4	0	3			
<hr/>											
Carried forward						5	2	4	103	3	9

Brought forward						Fs.	Ft.	In.	Fs.	Ft.	In.
						5	2	4	103	3	9
<i>Five-Quarter Seam—</i>											
COAL ...						0	1	7			
						—		5		3	11
Seggar-clay ...						0	1	6			
Grey post ...						1	5	11			
Blue metal ...						2	1	10			
<i>Brockwell Seam—</i>											
						Ft. In.					
COAL ...						2	4				
Band ...						2	0				
COAL ...						1	10				
						—		1	0	2	
								5		3	5
Seggar-clay ...						0	2	6			
Grey metal ...						4	1	1			
Strong grey post ...						2	0	0			
Black stone ...						0	0	6			
White post ...						1	2	0			
Whin ...						1	1	0			
<i>Victoria Seam—</i>											
COAL ...						0	1	7			
						—		9		2	8
Seggar-clay ...						0	2	1			
Grey metal ...						4	0	0			
White post ...						2	1	3			
						—		6		3	4
<hr/>											
Total ...						130		5	1		

No. 3,000.—TEAM.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 55' 17''$, Long. $1^{\circ} 36' 3''$.*Account of Strata passed through in a Bore-hole below the Beaumont Seam in the Allerdean Shop Pit, 1850.—Continuation of No. 1,961.*

Approximate surface-level 88 feet above sea (Ordnance datum).

Depth from surface to bottom of Beau- mont Seam	Fs. Ft. In.			Fs. Ft. In.			Brought forward			Fs. Ft. In.			Fs. Ft. In.		
COAL	57	4	6	COAL	...	...	0	1	4	7	3	3
Strata	4	3	7	Strata	...	...	1	2	6	1	3	0
COAL	0	2	4	COAL	...	...	0	0	6	1	4	6
				4	5	11	Strata	...	...	1	4	1	1	4	6
Strata	4	5	1	COAL	...	...	0	0	5	1	4	6
COAL	5	5	2	Strata	...	...	3	5	3	4	0	8
	0	1	10	COAL	...	...	0	1	5			
Strata	6	1	0									
COAL	7	1	11									
Strata												
Carried forward	7	1	11	73	4	6	Total ...			88	3	11			

No. 3,001.—TEAM.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 54' 48''$, Long. $1^{\circ} 36' 46''$.*Account of Strata sunk through in a Staple below the Beaumont Seam, 1,100 yards West of the Allerdean Shop Pit.*

Approximate surface-level 55 feet above sea (Ordnance datum).

Strata	Fs. Ft. In.			Fs. Ft. In.			Brought forward			Fs. Ft. In.			Fs. Ft. In.		
COAL	8	4	0	Strata	...	...	2	3	3	16	0	6 $\frac{1}{4}$
	0	2	0	Lower Busty Seam—								
				9	0	0	COAL	...	...	0	2	1 $\frac{1}{2}$	2	5	4 $\frac{1}{2}$
Strata	6	3	9	Strata	...	...	1	0	1 $\frac{1}{4}$	1	0	1 $\frac{1}{4}$
Upper Busty Seam—															
COAL	0	2	9 $\frac{1}{4}$									
				7	0	6 $\frac{1}{4}$									
Carried forward				16	0	6 $\frac{1}{4}$	Total ...			20	0	0			

No. 3,002.—TEAM.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 54' 54\frac{1}{2}''$, Long. $1^{\circ} 35' 46''$.*Account of Strata sunk through in the Betty Pit, Team Colliery.*

Approximate surface-level 284 feet above sea (Ordnance datum).

Depth from surface	Fs. Ft. In.			Fs. Ft. In.			Brot. forward			Fs. Ft. In.			Fs. Ft. In.		
High Main Seam—				12	2	6	COAL	...	...	2	1		12	2	6
COAL	...	...	...	2	6					0	5	6	0	5	6
Band	...	...	...	0	11		Strata	...	...	6	4	0			
Car. forward	3	5		12	2	6	Carried forward	6	4	0	13	2	0		

No. 3,002.—TEAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	4	0	13	2	0	Brought forward				53	4	0
Metal Coal Seam—							Strata	...	...	8	2	3½	
COAL	...	0	2	0			Five and Six-Quarter						
				7	0	0	Seams—						
Strata	...	5	4	3									
Stone Coal Seam—							COAL: Upper						
COAL	...	0	1	9			Top	...	2	9½			
				6	0	0	Cannel	...	1	0			
Strata	...	12	3	0			Band	...	0	2½			
Yard Coal Seam—							COAL: Low						
							Top	...	1	4½			
COAL	...	2	0½				COAL: Five-						
Band	...	0	2½				Quarters...	3	4				
COAL	...	1	4½							1	2	8½	
Band	...	0	1				Strata	...	...	7	2	5	9
COAL	...	2	3½				Low Main Seam—						5
				1	0	0							0
				13	3	0							
Strata	...	12	4	9									
Bensham Seam—													
COAL	...	2	8½										
Band	...	1	1										
COAL	...	1	4½										
Band	...	0	1										
COAL	...	1	0										
				1	0	3							
				13	5	0							
Carried forward				53	4	0							

	Ft.	In.		Ft.	In.
Brought forward					
Strata	...	...	8	2	3½
Five and Six-Quarter					
Seams—					
COAL: Upper					
Top	...	2	9½		
Cannel	...	1	0		
Band	...	0	2½		
COAL: Low					
Top	...	1	4½		
COAL: Five-					
Quarters...	3	4			
			1	2	8½
					9
Strata	...	...	7	2	5
Low Main Seam—					
COAL, good	3	9			
COAL, coarse	0	10			
			0	4	7
					8
					1
Sump	...	...	...		0
					0
					2
					0

No. 3,003.—THICKLEY.

TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole, New Shildon, in Second Sunny Dale, half way along the West hedge. Commenced October 6th, 1884.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	0	0	4	4	0
Broken freestone, danty coal, and clay ...	0	3	0				Soft light grey metal	0	4	9			
Loamy sand, with a little water ...	0	3	0				Strong light grey metal ...	2	0	6			
Brown stony clay ...	0	5	6				Mild grey post	0	4	3			
Running sand—loamy near bottom, with much water ...	1	3	6				White post, with metal partings ...	1	4	10			
Stony clay and sand	1	0	0				Dark grey metal, with ironstone girdles...	2	2	8			
				4	4	0	Grey and white post with a little water	1	1	0			
Yellow freestone ...	0	2	0				Dark grey metal, with post girdles ...	1	2	3			
Grey freestone ...	0	4	0				Black metal ...	0	0	3			
Carried forward	1	0	0	4	4	0	Carried forward	11	2	6	4	4	0

No. 3,003.—THICKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	2	6	4	4	0	Brought forward	5	5	0	16	2	6
COAL , soft,							Very dark grey shale	0	4	0			
danty ...	0	2					Strong grey post ...	1	1	10			
Soft grey and							Grey shale and post						
black metal	1	4					girdles, with <i>coal</i>						
COAL , soft,							pipes ...	6	5	6			
danty, and											14	4	4
grey metal...	0	6					Strong dark grey						
			0	2	0		post ...	1	3	0			
						11	4	6	Strong dark grey				
Dark grey metal ...	1	1	4				shale, with post						
White and grey post	1	0	11				girdles ...	1	1	6			
Dark grey shale, with							Hard grey whin ...	0	3	1			
ironstone girdles:							Strong dark grey						
lost water at top...	1	4	10				post, with shale						
Light grey shale,							partings ...	4	3	7			
with ironstone gir-											7	5	2
dles ...	1	3	11										
Carried forward	5	5	0	16	2	6	Total ...				39	0	0

No. 3,004.—THICKLEY.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 48", Long. 1° 38' 6".

Account of Strata passed through in an Upover Staple from the Bottom Busty Seam, New Shildon Colliery, 1885.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey post, with metal							Brought forward	4	3	0	7	1	7
partings ...	2	0	0				COAL ...	0	1	0			
<i>Top Busty Seam—</i>											4	4	0
COAL ...	0	2	6				Grey post ...	3	4	0			
				2	2	6	Whin ...	0	1	10			
Blue metal stone ...	4	0	3				White post, with						
Fire-clay thill ...	0	2	9				metal partings ...	4	0	0			
											7	5	10
COAL ...													
Band ...	0	5									19	5	5
COAL ...	1	13					<i>Bored up further:—</i>						
Band ...	0	14					White and grey post,						
			0	2	1		with partings ...	8	0	6			
						4	5	1	Very soft light grey				
Grey metal stone,							metal ..	5	5	0			
with post girdles...	4	3	0								13	5	6
Carried forward	4	3	0	7	1	7	Total ...				33	4	11

No. 3,005.—THIRLWALL.

TOWNSHIP OF THIRLWALL, NORTHUMBERLAND.

Sheet 82 of Ordnance Map. Lat. 54° 59' 42", Long. 2° 33' 14".

*Account of Strata passed through in a Bore-hole near the Barn House, Gilsland
Commenced March 30th, 1899.*

Approximate surface-level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and clay ...	2	4	0				Brought forward	1	2	0	38	2	8
Brown stony clay ...	1	4	0				Very hard grey post	0	2	6			
Ramble ...	0	3	0				Dark grey shale ...	1	2	11			
Brown clay ...	0	4	8				Dark grey shale, with very hard post girdles ...	0	3	0			
				5	3	8	Ironstone girdle ...	0	1	1			
Freestone ..	3	2	2				Grey shale, with ironstone balls ...	1	3	4			
Blue shale ...	0	3	6				Dark grey shale ...	1	1	6			
Hard limestone	1	1	6				Dark grey shale, with ironstone balls ...	0	1	11			
Grey shale, with ironstone ...	1	3	8				Very dark grey shale	3	1	6			
Grey post ...	1	0	2				Ironstone girdle ...	0	1	10			
Very hard grey post, with iron balls ...	0	1	5				Hard limestone ...	1	4	10			
Hard limestone	0	4	9				Grey shale, with hard panels ...	0	3	0			
Grey shale ...	2	2	10				Grey shale, with ironstone balls ...	0	1	6			
Grey post ...	0	4	0				Grey shale ...	0	2	9			
White post ...	3	2	10				Grey shale, with hard panel ...	0	2	2			
Grey post ...	1	2	9				Hard grey post ...	0	2	10			
Grey shale ...	0	3	0				Hard limestone ...	2	1	1			
Grey shale, with post girdles ...	6	4	6				Dark grey metal ...	0	3	0			
Very hard limestone	1	3	8				COAL ...	0	0	3			
Dark grey shale ...	0	2	2								17	1	0
Hard grey post ...	0	1	0				Black stone ...	0	0	2			
Iron girdle ...	0	0	6				Grey metal ...	0	1	6			
Hard grey post ...	0	1	10				Hard grey post ...	0	1	11			
Hard grey post, with ironstone panels ...	0	0	11				Hard limestone	2	5	4			
Grey post ...	0	1	6				Grey metal ...	0	2	4			
Hard limestone	0	5	1				Hard limestone	0	2	6			
Grey shale ...	0	1	3				Grey metal ...	0	3	10			
Hard limestone	0	0	6				Hard limestone	0	5	0			
Dark grey shale ...	2	0	10				Grey metal ...	0	0	10			
Dark grey shale, with post girdles...	0	1	6				Hard limestone	0	1	5			
Hard limestone	0	5	11				Grey post ...	0	2	4			
Dark grey post ...	1	0	4				Grey metal ...	2	1	4			
Grey metal ...	0	0	3				Hard limestone, into	6	3	2			
COAL ...	0	0	8								15	1	8
				32	5	0							
Dark grey metal ...	1	1	6										
Ironstone girdle ...	0	0	6										
Carried forward	1	2	0	38	2	8	Total ...				70	5	4

No. 3,007.—THORNLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				4	0	8	Brot. forward	3	1	1	0	0	20	3	11
Brown and grey stone ...	0	1	8				Bluegrey metal	1	10						
Brown and grey ramble, mixed with strong clay...	1	4	8				COAL, with hard brass lumps ...	0	4						
Black metal ...	0	0	6				COAL ...	3	3						
COAL ...	0	2	1				Grey metal ...	0	7						
				2	2	11	COAL, foul...	0	5						
Grey metal ...	0	3	0				Grey metal, mixed with coal ...	0	6						
Brown thready post: set away the water	0	2	0				COAL, foul...	0	5						
Grey metal stone ...	1	3	3							1	4	5			
COAL ...	0	0	10										2	4	5
				2	3	1	Blue metal ...	0	2	8					
Grey metal ...	0	3	0				Black slate or jet, with a mixture of coal ...	0	1	6					
Brown and grey post, with scamy partings ...	3	5	0				Blue grey metal ...	0	1	0					
COAL ...	0	1	7				Black slate or jet, with a mixture of coal ...	0	2	6					
				4	3	7	Blue grey metal and metal stone ...	3	5	0					
Grey metal ...	1	3	0				Whin girdle...	0	0	6					
Grey post ...	0	4	6				Grey metal stone ...	0	4	9					
COAL ...	0	0	11												
				2	2	5									
Grey metal stone ...	3	2	9				COAL ...	0	7						
Strong grey and brown post ...	1	0	0				Bluegrey metal stone ...	3	6						
COAL ...	0	0	6				COAL ...	1	3						
				4	3	3	Grey metal ...	0	2						
Grey metal stone, with girdles or lumps ...	1	0	0				COAL ...	1	10						
										1	1	4			
COAL ...	2	6											7	1	3
Hard brass lump or slate ...	0	1					Grey metal, into ...	0	1	6					
COAL ...	0	6											0	1	6
Car. forward	3	1	1	0	0	20	Total ...						30	5	1

No. 3,008.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Good Luck Pit, March View, Throckley.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strata ...	10	5	0				Brought forward	6	3	6	11	3	0
Engine Coal Seam ...	0	4	0				Hodges Coal Seam...	0	2	6			
				11	3	0					7	0	0
Strata ...	6	3	6				Strata ...	4	3	6			
Carried forward	6	3	6	11	3	0	Carried forward	4	3	6	18	3	0

No. 3,008.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	3	6	18	3	0	Brought forward	26	0	0			
Three-Quarter Seam	0	2	6				Strata ...	13	5	8			
				5	0	0	Splint Coal Seam	0	3	4			
Strata ...	1	5	6					14	3	0			
Five-Quarter or Main Coal Seam...	0	3	6										
				2	3	0							
Carried forward				26	0	0	Total ...	40	3	0			

No. 3,009.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 55° 0' 10", Long. 1° 46' 20".

Account of Strata passed through in a Bore-hole in the Whin Pit, Throckley Fell, October 25th, 1775.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of Main Coal Seam ...				33	3	0	Brought forward	10	5	0	33	3	0
Soft grey metal ...	0	1	6				White post, with a great feeder of water at top ...	1	5	6			
Strong grey metal stone, with hard girdles or lumps ...	7	3	6				Whin ...	0	1	0			
White and grey metal ...	0	1	3				White post and whin mixture ...	0	1	0			
Strong grey metal stone ...	0	3	9				White post ...	2	4	6			
Black metal, with scars of coal ...	0	0	6										
Strong grey metal stone, with girdles	2	0	6				COAL, with water ...	2	11				
							COAL, splinty	0	7				
Carried forward	10	5	0	33	3	0					16	2	6
							Grey metal, into ...	0	0	10			
											0	0	10
							Total ...	50	0	4			

No. 3,010.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole on the East part of Throckley Fell, about 180 yards West from Dewley Gate. Commenced September 6th, 1779; and stopped October 12th, 1779.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay, with whin tumblers	7	0	6				Brought forward	7	1	2			
Sand, with water ...	0	0	8				Mixture whin tumbler ...	0	1	2			
Carried forward	7	1	2				Carried forward	7	2	4			

No. 3,010.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	2	4				Brought forward				22	1	8
Strong clay ...	0	1	2				Grey metal ...	0	0	6			
				7	3	6	Grey metal stone ...	0	4	7			
Brown and grey post	1	5	0				White post ...	0	2	0			
Dark grey metal							Whin ...	0	0	7			
stone ...	0	1	3				White post, with						
COAL ...	0	2	3				water at bottom ...	0	1	6			
				2	2	6	Grey metal, with						
Grey metal ...	0	0	6				girdles ...	4	1	2			
COAL ...	0	0	5				COAL, soft, with						
				0	0	11	much water ...	0	1	0			
Grey metal ...	0	3	6				Soft blue metal ...	0	1	3			
COAL ...	0	0	5				Grey post ...	0	0	9			
				0	3	11	Blue grey metal						
Soft grey metal ...	0	1	6				stone ...	0	1	0			
Strong grey metal							White post, with						
stone, with post							water ...	0	2	3			
girdles ...	1	4	8										
COAL ...	0	3	1										
				2	3	3	COAL, with						
Grey metal ...	0	1	3				water ...	3	1				
Grey metal stone ...	0	1	0				COAL, hard						
White post: set							foul splinty,						
away the water ...	2	1	8				with water... 1 1						
White post ...	0	5	5										
Whin ...	0	2	0				Grey post, with						
Strong white post,							water ...	0	2	6			
with water ...	2	2	1				Grey metal, with hard						
Blue grey metal							girdles ...	0	3	0			
stone, with water	1	4	9				COAL ...	0	0	7			
											8	2	10
							Soft grey metal ...	0	0	7			
COAL ...	1	6					Strong grey metal						
Grey metal ...	3	4					stone, into... 0 1 0						
COAL ...	0	7									0	1	7
				0	5	5							
				8	5	7							
Carried forward				22	1	8	Total ...				31	0	1

No. 3,011.—TINDALE FELL.

TOWNSHIP OF BRAMPTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. 54° 55' 45", Long. 2° 37' 9".

Account of Strata sunk through in the Howard Pumping Shaft, Tindale Fell.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	3	0	0				Brought forward				14	0	4
				3	0	0	Plate ...	0	3	0			
Freestone ...	1	0	0				Freestone ...	3	5	8			
Plate ...	6	0	0				Plate ...	1	1	0			
Limestone ...	4	0	0				COAL ...	0	4	6			
COAL ...	0	0	4								6	2	2
				11	0	4							
Carried forward				14	0	4	Total ...				20	2	6

No. 3,012.—TINDALE FELL.

TOWNSHIP OF BRAMPTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole at Black Sike on Tindale Fell, situated 2½ miles South and 3 miles West of Roachburn Shaft, March, 1876.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	2	0	0				Brought forward				22	5	3
Blue plate ...	3	0	0	2	0	0	Strong blue plate ...	1	0	0			
Strong dun freestone,							COAL ...	0	1	0			
mixed with whin...	2	4	0								1	1	0
Blue plate ...	1	0	0				Strong dun plate ...	0	3	0			
Slaty freestone ...	6	4	4				Freestone ...	3	0	0			
Strong blue plate ...	3	3	7				Strong grey post ...	2	3	0			
Little Limestone ...	3	5	0				COAL ...	0	3	3			
COAL ...	0	0	4								6	3	3
				20	5	3							
Carried forward				22	5	3	Total ...				30	3	6

No. 3,013.—TURS DALE.

TOWNSHIP OF HETT, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43' 25", Long. 1° 33' 20".

Account of Strata passed through in a Bore-hole below the Busty Seam, Tursdale Collicry, 18½ chains East of Hett Village.

Approximate surface-level 350 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth at shaft from surface to bottom of Busty Seam ...				91	2	9	Brought forward	3	3	1	100	2	9
Seggar-clay ...	0	1	3				Blue metal ...	2	2	10			
White post ...	8	1	3				Whin ...	0	1	4			
Mild blue metal ...	0	2	5				Post ...	0	1	8			
COAL ...	0	1	1				Blue metal ...	0	0	7			
				9	0	0	Strong post ...	1	0	5			
Seggar-clay ...	0	2	0				Blue metal ...	0	2	0			
Blue metal ...	1	0	7				Post ...	0	4	2			
Strong girdle	0	2	7				Blue metal ...	0	0	8			
Blue metal ...	1	2	6				Post ...	0	2	6			
Post girdle ...	0	0	6				Blue metal ...	0	3	3			
Blue metal ...	0	0	6				Brockwell Seam—						
Post girdle ...	0	0	5				COAL, bored into	0	3	4			
											10	1	10
Carried forward	3	3	1	100	2	9	Total ...				110	4	7

No. 3,014.—TWEEDMOUTH.

TOWNSHIP OF TWEEDMOUTH, NORTHUMBERLAND.

Sheet 4 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole near Tweedmouth Works for Malting, 1903.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground composed of broken sandstone ...	1	5	6				Brought forward	14	4	0	1	5	6
				1	5	6	Conglomerate ...	0	3	0			
Soft red marl ...	0	4	6				Marl bed ...	0	1	6			
Red marl: sandy and broken ...	0	3	0				Conglomerate ...	0	1	0			
Sandy marl ...	0	1	0				Blue marl ...	1	2	0			
Soft sandy mud ...	0	1	6				Soft blue marl ...	2	1	0			
Red sandstone: very hard and cuttery, and badly broken	1	2	0				Blue marl ...	0	4	0			
Very coarse hard sandstone, with marl beds ...	2	1	6				Hard sandstone ...	1	2	6			
Very coarse hard sandstone ...	2	4	0				Red marl ...	0	1	6			
Very coarse hard sandstone: hard and flinty ...	1	0	0				Very hard sandstone	0	3	6			
Very coarse hard sandstone: flinty and badly broken	4	0	0				Blue marl, with hard ribs ...	1	5	6			
Very coarse sandstone ...	1	4	6				Coarse and hard sandstone ...	6	4	0			
Carried forward	14	4	0	1	5	6	Blue marl ...	1	0	0			
							Variegated marl, with very hard limey ribs...	2	1	0			
							Marl, with very hard ribs ...	0	2	0			
							Coarse and hard sandstone ...	0	5	0			
							Very coarse hard sandstone ...	4	2	0			
											39	1	6
							Total ...				41	1	0

No. 3,015.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 56", Long. 1° 39' 5".

Account of Strata sunk and bored through below the Hutton Seam in the Gate Pit, Twizell Colliery, 1896.

Approximate surface-level 470 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of <i>Hutton Seam</i> ...				55	3	9½	Brought forward	15	0	6	55	3	9½
<i>Sinking:—</i>							Strong grey metal ...	8	0	7			
Depth from <i>Furnace Seam</i> to stone drift below ...	8	2	0				Dark grey metal ...	0	3	2			
Depth from stone drift to underlevel drift ...	1	2	6				COAL ...	0	11				
Strong grey post, with whin ...	5	2	0				Seggar-clay ...	1	2				
							COAL ...	0	2				
Carried forward	15	0	6	55	3	9½				0	2	3	
											24	0	6
							Grey metal ...	0	1	0			
							COAL, coarse ...	0	0	6			
											0	1	6
							Carried forward				79	5	9½

No. 3,015.—TWIZELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				79	5	9½	Brought forward	2	4	6	93	4	4½
Strong grey metal ...	1	0	0				Post ...	4	3	7			
<i>Harvey Seam—</i>							Black stone ...	0	0	1			
COAL ...	0	1	6	1	1	6	<i>Busty Seam—</i>						
Seggar-clay ...	0	2	0				COAL ...	1	0	0½	8	2	2½
Strong grey metal ...	0	5	0				Seggar-clay ...	0	0	10			
Strong grey post ...	2	3	0				Strong post, with						
Dark slate stone ...	0	1	0				partings ...	6	3	2			
COAL ...	0	0	6	3	5	6	Grey metal ...	0	1	9			
Dark metal ...	0	0	9				<i>Three-Quarter Seam—</i>						
Seggar-clay ...	0	1	6				COAL ...	0	1	10	7	1	7
White post ...	0	3	6	1	0	0	Grey post ...	1	4	8			
COAL ...	0	0	3				Grey metal, with coal						
Strong seggar-clay ...	0	1	6				pipes ...	1	0	6			
Grey metal ...	1	0	6				Grey post ...	2	0	0			
COAL ...	0	0	4	1	2	4	<i>Top Brockwell Seam—</i>						
Strong grey post ...	1	3	2				COAL ...	0	2	0	5	1	2
<i>Tilley or Constantine</i>							Strong grey metal ...	1	5	10			
<i>Seam—</i>							<i>Bottom Brockwell</i>						
COAL ...	0	1	6	1	4	8	<i>Seam—</i>						
Seggar-clay ...	0	3	9				COAL ...	0	2	1	2	1	11
COAL ...	0	0	2				Seggar-clay ...	0	1	4			
Grey metal ...	0	3	4				Strong bastard post	0	4	8	1	0	0
Strong white post ...	3	1	0								117	5	3
COAL ...	0	0	4	4	2	7							
Seggar-clay, with iron							<i>Bored further:—</i>						
balls ...	1	0	0				Strong post, into ...	3	3	0			
Grey metal ...	1	4	6								3	3	0
Carried forward	2	4	6	93	4	4½	Total ...				121	2	3

No. 3,016.—TWIZELL.

TOWNSHIP OF TWIZELL, NORTHUMBERLAND.

Sheet 9 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole in a Quarry on the Twizell Estate, belonging to Sir F. Blake, Bart.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Earth ...	0	4	0				Brought forward	7	3	7	0	4	0
				0	4	0	Limestone ...	0	2	0			
Grey freestone ...	2	2	6				Blue metal ...	0	2	0			
Grey whin ...	0	3	11				Limestone ...	0	0	9			
Blue metal ...	0	5	5				Blue metal ...	0	3	3			
Red freestone ...	0	4	4				Brown metal ...	1	5	6			
Hard white freestone	0	3	6				Freestone bands ...	0	2	6			
Blue metal ...	0	3	6				Blue metal ...	0	2	9			
Blue metal, with							White metal stone ...	0	5	0			
freestone bands ...	1	4	5				White whin ...	0	2	0			
Carried forward	7	3	7	0	4	0	Carried forward	12	5	4	0	4	0

No. 3,017.—ULGHAM.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.		
				7	3	9					
Light grey metal ...	3	4	7								
Dark grey metal ...	0	1	3								
COAL ...	0	1	1								
				4	0	11					
Grey metal and											
metal stone ...	4	2	8								
Grey post ...	4	3	9								
Light blue metal ...	0	1	11								
COAL ...	Ft.	In.									
	1	7									
Grey metal ...	0	9									
COAL ...	0	10									
				0	3	2					
				9	5	6					
Grey metal stone ...	0	5	1								
White post ...	1	1	10								
Grey metal stone ...	2	2	2								
Blue metal ...	1	0	6								
Carried forward	5	3	7	21	4	2					

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.		
				5	3	7	21	4	2		
Grey post ...	11	5	11								
COAL ...	0	0	4								
				17	3	10					
Grey metal stone ...	1	1	3								
Blue metal ...	1	1	6								
Dark metal ...	0	4	0								
Grey post ...	1	1	2								
Blue metal ...	0	3	11								
COAL , good...	Ft.	In.									
	0	7									
COAL , bad ...	0	11									
Metal band ...	0	7									
COAL ...	0	3									
				0	2	4					
				5	2	2					
Grey metal, into ...	„	„	„								
				„	„	„					

No. 3,020.—ULGHAM GRANGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Clay	0	4	6				Brought forward	0	3	4	11	2	0			
				0	4	6	Metal, with post ...	0	5	8						
Yellow freestone ...	0	1	9				Blue and white post,									
Blue metal ...	0	0	8				with metal ...	0	5	4						
Yellow freestone ...	4	4	11				Whin ...	0	1	4						
Blue metal ...	2	2	7				White post ...	0	3	0						
Metal ...	0	2	10				Metal, with post ...	2	2	6						
Black band,							COAL ...									
with coal ...	1	6					Black band ...	0	3							
COAL ...	0	4					COAL ...	0	4							
Blue metal							Black and clay									
band ...	0	1					band ...	0	5							
COAL ...	1	1					COAL ...	0	5							
				0	3	0					0	2	6			
						8	3	9					5	5	8	
Fire-clay ...	0	1	5				Fire-clay ..	0	1	0						
Post, with metal ...	0	3	2				Post, with metal ...	0	1	8						
Blue metal, with iron	0	5	7				Whin ...	0	0	4						
COAL ...	0	1	7				Metal, with post ...	0	4	0						
				1	5	9	Blue metal ...	0	5	0						
Black metal...	0	0	10				COAL ...	0	2	0				2	2	0
Fire-clay ...	0	2	6													
Carried forward	0	3	4	11	2	0	Total ...				19	3	8			

No. 3,021.—ULGHAM GRANGE.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 14' 6", Long. 1° 36' 23".

*Account of Strata passed through in a Bore-hole at the East side of the Field
in which Ferney Beds Farm House stands, for the Owners
of Ulgham Grange Colliery.*

Approximate surface-level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	1	1	0				Brought forward				15	1	5
Sand	0	5	0				Fire-clay	0	2	9			
Clay	0	3	0				Blue metal	0	3	1			
				2	3	0	White post	0	2	6			
White and yellow							Blue metal	0	2	9			
post	7	0	9				COAL	0	1	9			
Blue metal, with post	1	0	8								2	0	10
Black metal, with							Blue metal	0	3	10			
iron	1	0	4				Blue post	0	3	0			
Blue metal ...	2	5	5				Whin	0	0	7			
							White post	0	1	10			
COAL	0	4					Blue post, with metal	0	3	10			
Black band ...	0	7					Whin	0	0	4			
COAL	0	5					Blue metal	1	0	5			
Black band ...	0	7					Blue post	0	5	8			
COAL	1	4					Bastard whin ...	0	1	6			
				0	3	3	Blue post, with						
						12	4	5	water	0	3	2	
Carried forward				15	1	5	Carried forward	5	0	2	17	2	3

No. 3,021.—ULGHAM GRANGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	0	2	17	2	3	Brought forward	0	0	8	24	2	10
Post ...	0	1	2				Strong white post ...	2	1	7			
Black metal, with							Whin ...	0	2	0			
iron beds ...	1	2	0				White post ...	0	1	10			
	Ft.	In.					Dark blue metal ...	0	0	6			
COAL ...	1	2					Black metal...	0	1	3			
Black band ...	0	3					Grey metal ...	0	2	9			
COAL ...	0	5					COAL ...	0	0	7			
Black band ...	0	4									3	5	2
COAL ...	1	1					Grey metal ...	0	2	5			
	—	0	3	3			Blue post, with metal	0	5	4			
					7	0	7	Blue and white post	2	1	0		
Blue metal ...	0	0	8								3	2	9
Carried forward	0	0	8	24	2	10	Total ...				31	4	9

No. 3,022.—ULGHAM GRANGE.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 14' 19", Long. 1° 36' 40".

Account of Strata passed through in a Bore-hole, 350 yards North from Wood's House and 50 yards East of Main line, Ferney Beds Farm, for the Owners of Ulgham Grange Colliery.

Approximate surface-level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy soil ...	0	2	0				Brought forward	6	2	7	3	4	7
Soft brown clay ...	0	3	0				Iron girdle ...	0	0	2			
Wash sand and much							Light blue metal ...	0	3	4			
water ...	0	3	0				Iron girdle ...	0	0	2			
Blue clay and small							Light blue metal ...	0	0	11			
pebbles ...	0	3	0				Iron girdle ...	0	0	1			
Clay, with tumblers	0	1	0				Light blue metal ...	0	2	3			
Blue whin ...	0	0	6				Iron girdle ...	0	0	1			
Blue clay ...	0	0	6				Light blue metal ...	0	4	0			
Whin tumbler ...	0	0	7				Fire-clay ...	0	1	4			
Strong blue clay and							COAL ...	0	0	7			
pebbles ...	1	3	0								8	3	6
				3	4	7	Fire-clay ...	0	0	9			
Grey post ...	0	0	4				Iron girdle ...	0	0	2			
Grey post, with metal	1	0	0				Fire-clay ...	0	0	8			
Grey metal ...	0	5	0				Iron girdle ...	0	0	2			
Mild white post ...	0	1	0				Fire-clay ...	0	1	10			
White and yellow							COAL ...	0	0	9			
post ...	1	4	3								0	4	4
White post ...	0	1	6				Fire-clay ...	0	1	5			
Blue post, with metal	0	0	3				Blue post ...	0	1	3			
White post ...	1	3	0				Blue metal ...	0	1	10			
Grey post ...	0	0	9				Iron girdle ...	0	0	3			
Blue metal ...	0	0	5				Blue metal ...	0	2	0			
Blue metal, with iron							Strong white post ...	0	5	1			
balls ...	0	0	11				Blue metal ...	0	0	9			
Fire-clay ...	0	2	6				Iron girdle ...	0	0	2			
Iron girdle ...	0	0	3				Blue metal ...	0	0	8			
Light blue metal ...	0	0	5										
Carried forward	6	2	7	3	4	7	Carried forward	2	1	5	13	0	5

No. 3,022.—ULGHAM GRANGE.—CONTINUED.

Brought forward							Fs.	Ft.	In.	Fs.	Ft.	In.		
							2	1	5	13	0	5		
							Ft.		In.					
							1	3						
COAL														
Black stone,														
mixed with														
coal ...							0	6						
							—		0	1	9			
									2	3	2			
Fire-clay ...							0	0	5					
Blue metal ...							0	0	9					
Iron band ...							0	0	2					
Blue metal ...							0	1	10					
Fire-clay ...							0	2	7					
Post, with metal							0	5	8					
Strong white post ...							0	2	11					
Whin ...							0	1	4					
Blue post ...							0	2	4					
Whin ...							0	1	10					
Grey post ...							0	2	4					
Grey metal, with iron														
bands ...							0	3	10					
Iron bands ...							0	0	3					
Grey metal ...							0	4	1					
							Ft.		In.					
COAL							1	3						
Black band ...							0	3						
COAL , with														
middling ...							0	2						
Car. forward							1	8	5	0	4	15	3	7

Brot. forward							Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
							1	8	5	0	4	15	3	7
							Ft.		In.					
							0	4						
Black band ...							0	4						
COAL							0	6						
							—		0	2	6			
									5	2	10			
Black metal...							0	0	3					
Fire-clay ...							0	0	5					
Grey metal, with post							0	5	8					
Strong white post ...							0	1	2					
Grey post, with metal							0	4	7					
Grey post ...							0	0	7					
Blue metal ...							0	1	1					
Strong white post ...							0	1	6					
Blue metal ...							0	4	6					
							Ft.		In.					
COAL							0	3						
Dark grey														
metal, with														
iron bands ...							1	8						
COAL							0	7						
							—		0	2	6			
									3	4	3			
Fire-clay ...							0	1	8					
Blue metal ...							0	3	8					
Iron band ...							0	0	4					
Strong blue post							0	5	0					
White post ...							1	0	5					
									2	5	1			
Total ...							27	3	9					

No. 3,023.—ULGHAM GRANGE.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in the No. 2 Bore-hole, Stobswood Colliery,
Ulgham Grange Royalty, February, 1895.*

Approximate surface-level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	1	4	6	9	5	5
Yellow sandy clay ...	1	4	0				Grey post, with						
Hard stony clay ...	2	4	6				water	1	2	0			
				4	3	6	Hard white post, with						
Grey shale	0	3	0				girdles, and water	0	5	0			
COAL and black							Grey post, with						
stone, with water	0	1	0				water	1	0	0			
				0	4	0	Grey shale	0	5	0			
Grey shale, with post							COAL , with water	0	2	0			
girdles	4	2	6								6	0	6
COAL and black							Grey shale	1	1	0			
stone, with water	0	1	5				Hard white post,						
				4	3	11	with water	...	4	3	0		
Grey shale	1	4	6										
Carried forward	1	4	6	9	5	5	Carried forward	5	4	0	15	5	11

No. 3,023.—ULGHAM GRANGE.—CONTINUED.

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		5	4	0	15	5	11
Ft. In.							
COAL	and						
black	stone	2	0				
Hard	white						
post,	with						
water	...	4	0				
COAL	and						
black	stone	4	6				
		<hr/>					
		1	4	6			
		<hr/>					
		7	2	6			
Grey shale	...	1	2	0			
COAL	and black						
stone	...	0	3	6			
		<hr/>					
		1	5	6			
Grey shale, with post							
girdles	...	5	1	0			
COAL	and black						
stone	...	0	1	0			
		<hr/>					
		5	2	0			
Grey shale, with post							
girdles	...	2	0	0			
Black stone	...	0	1	0			
Hard grey post	...	4	0	0			
Hard white post	...	2	3	0			
Black stone and coal	...	0	2	0			
Grey shale, with post							
girdles	...	4	5	6			
White post, with							
water	...	3	5	3			
COAL	...	0	0	2			
		<hr/>					
		17	4	11			
Dark grey shale	...	1	2	0			
Grey post, with							
water	...	1	5	0			
Dark grey shale	...	0	2	0			
COAL	...	0	1	6			
		<hr/>					
		3	4	6			
		<hr/>					
Carried forward		52	1	4			

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		52	1	4			
Grey shale, with post							
girdles, and water	...	1	4	9			
Dark grey shale	...	0	5	9			
COAL	...	0	1	0			
		<hr/>					
		2	5	6			
Dark grey shale	...	0	4	6			
Ironstone	...	0	0	9			
Dark grey shale	...	1	0	6			
COAL	...	0	0	3			
		<hr/>					
		2	0	0			
Hard white post	...	1	1	0			
Very hard white							
post, with water	...	2	5	4			
White post, with							
metal partings	...	4	1	5			
Dark grey shale	...	0	0	9			
		<hr/>					
		Ft. In.					
COAL	...	0	9				
Grey shale	...	2	2				
COAL	...	1	1				
Grey shale	...	1	9				
Black stone							
and coal	...	0	8				
Black stone	...	0	3				
COAL, coarse	...	0	8				
		<hr/>					
		1	1	4			
		<hr/>					
		9	3	10			
Grey shale	...	0	1	2			
Grey post, with metal							
partings	...	1	1	0			
Grey shale	...	0	2	6			
Hard white post	...	0	4	4			
Grey shale	...	0	0	9			
Black stone	...	0	0	4			
Grey shale, into	...	0	2	5			
		<hr/>					
		3	0	6			
		<hr/>					
Total ...		...	69	5	2		

No. 3,024.—UNTHANK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	5	0	7	4	0	Brought forward	0	2	5	8	5	3
COAL	0	2	3				Black metal...	2	0	0			
				1	1	3	COAL	0	0	6			
Dark grey metal and											2	2	11
<i>coal</i>							Black metal and <i>coal</i>	0	4	10			
Slaty black stone and	0	1	0				White post, with						
<i>coal</i>							partings	0	1	6			
Dark grey metal ...	0	1	2								1	0	4
Grey metal, with													
hard girdles ...	0	0	3										
Carried forward	0	2	5	8	5	3	Total				12	2	6

No. 3,025.—UNTHANK.

TOWNSHIP OF PLAINMELLER, NORTHUMBERLAND.

Sheet 92 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 2 Bore-hole, Unthank, near Halthistle, 140 yards South from No. 1 Bore-hole, September, 1820.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward				21	5	6
Red clay	0	2	0				Dark grey metal and						
Blue stony clay ...	2	0	0				<i>coal</i>	0	3	0			
Brown stony clay ...	3	5	0				Grey metal	0	2	0			
Blue stony clay ...	2	4	6				Strong white post,						
				9	0	6	with whin girdles	2	0	0			
White post, with							Whin	0	3	0			
partings	0	5	0				White post	0	2	0			
Grey metal	0	1	6				Dark stone, scared						
COAL	0	0	8				with <i>coal</i>	0	3	0			
				1	1	2	Grey post	0	4	6			
Grey metal stone ...	0	2	0				Strong white post,						
Strong white post,							with whin girdles	1	3	0			
with partings ...	6	2	0				Strong white post ...	1	5	0			
Grey metal stone,							Strong white post,						
with post girdles...	1	5	0				with whin girdles	0	4	0			
Black stone, with							Grey metal stone ...	2	2	0			
hard girdles ...	1	3	0				Dark grey metal,						
Grey metal, with							with hard girdles...	0	2	0			
hard girdles ...	0	4	0				Dark grey metal,						
Dark metal, with							scared with <i>coal</i> ...	0	1	0			
hard girdles ...	0	4	0				Strong grey post ...	1	2	0			
COAL	0	1	10				Whin, into	0	0	6			
				11	3	10					13	1	0
Carried forward				21	5	6	Total				35	0	6

No. 3,026.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat. $54^{\circ} 52' 54''$, Long. $1^{\circ} 36' 12''$.*Account of Strata sunk through below the Hutton Seam in the B Pit, Urpeth Colliery, 1865.—Continuation of No. 2,084.*

Approximate surface-level 273 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
				72	5	10½	Brought forward				100	0	4½		
Depth from surface							Strong post and grey								
COAL , bottom and							metal ...	...	8	5	3			
thill	1	0	0			COAL , very coarse	...	0	2	5	9	1	8	
Post	1	0	0											
Grey metal	11	3	2			Grey metal ...	...	0	5	0			
COAL	0	1	0			COAL	0	0	6	0	5	6	
				13	4	2									
Grey metal	4	2	0			Grey post, with part-								
Blue metal, with post							ings ...	...	2	5	1			
girdles	4	2	0			Strong brown post ...	...	4	0	0			
COAL	0	0	8			<i>Bustybank Seam—</i>								
					8	4	8								
Thill	0	3	2											
Grey metal, with post															
girdles	2	4	3			COAL , top	Ft. In.							
COAL	0	1	9			Band ...	...	0	4				
					3	3	2	COAL ...	...	0	3			
Thill	0	5	0			Soft clay band	...	0	1					
Grey post	0	1	0			COAL , bot-								
COAL	0	0	6			tom ...	...	2	0				
					1	0	6			0	5	3	7	4	4
Carried forward					100	0	4½	Total ...			117	5	10½		

No. 3,027.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat. $54^{\circ} 52' 54''$, Long. $1^{\circ} 36' 12''$.*Account of Strata sunk through in a Staple below the Bustybank Seam, B Pit, Urpeth Colliery.—Continuation of Nos. 2,084 and 3,026.*

Approximate surface-level 273 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward	9	4	0	117	5	10½
to bottom of <i>Busty-</i>							COAL	0	0	3			
<i>bank Seam</i>				117	5	10½					9	4	3
Seggar-clay	0	3	0				Grey and blue metal	0	5	0			
Grey metal	0	3	0				COAL	0	1	4			
Very strong white											1	0	4
post, with occasion-							Seggar-clay and metal	1	1	5			
al blue metal post-							Hard whinney girdle	0	1	4			
ings, and irregular							Blue metal	0	2	0			
<i>coal</i> pipes	8	4	0										
Carried forward	9	4	0	117	5	10½	Carried forward	1	4	9	128	4	5½

No. 3,027.—URPETH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	1	4	9	128	4	5½	Brought forward	1	4	6	131	1	10½	
COAL, with small bands	0	0	8				Blue metal	0	0	6				
				1	5	5								
Seggar-clay and grey metal	0	3	8				COAL	0	6					
COAL, with small band	0	0	4				Dark band	0	3					
				0	4	0	COAL	1	2					
Seggar-clay and grey metal	0	5	6				Seggar - clay band	1	8					
Strong grey post	0	5	0				COAL	1	0					
								0	4	7		2	3	7
Carried forward	1	4	6	131	1	10½	Total				133	5	5½	

No. 3,028.—USHAW MOOR.

TOWNSHIP OF ESH, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 46' 45", Long. 1° 39' 30".

Account of Strata sunk through at Ushaw Moor Colliery.
 Approximate surface-level 370 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	19	0	0				Brought forward	6	5	4	37	4	0
				19	0	0	<i>Busy Seam—</i>						
Brown post	5	4	2										
Blue metal	1	0	0				COAL	1	10				
<i>Harvey Seam—</i>							Band	0	6				
COAL	0	2	3				COAL	3	2				
				7	0	5		0	5	6			
Seggar-clay	0	4	6								7	4	10
Grey post and whin	0	2	6				COAL , with dirt partings	0	0	6			
Blue metal	3	0	0				Seggar-clay	0	5	10			
COAL	0	0	2				COAL	0	0	4			
				4	1	2					1	0	8
Grey post and metal	0	5	0				Seggar-clay, with iron girdles	0	5	8			
COAL	0	0	4				Post	0	1	8			
				0	5	4	Bastard whin	0	3	0			
Grey post	1	2	0				Blue metal, with iron girdles	3	0	4			
<i>Yard Seam—</i>							COAL	0	1	2			
COAL	0	2	3								4	5	10
				1	4	3	Seggar-clay	0	2	8			
Seggar-clay	0	2	0				Grey post	0	1	1			
Grey metal	1	1	0				Bastard seggar-clay	0	4	4			
COAL	0	0	6				Grey whin	0	1	2			
				1	3	6	White post	0	1	0			
Grey metal, with post girdles	3	0	2				Leafy post	0	2	0			
COAL	0	1	2				Blue metal	0	2	0			
				3	1	4	White post	0	0	3			
Grey metal	1	5	2				Blue metal	0	2	4			
Whin	0	3	7										
Grey post	4	2	7										
Carried forward	6	5	4	37	4	0	Carried forward	2	4	10	51	3	4

No. 3,028.—USHAW MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	4	10	51	3	4	Brought forward	7	3	9	51	3	4	
White post ...	0	0	6				White post ...	0	4	0				
Blue metal ...	0	1	8				Blue metal ...	0	0	2				
Seggar-clay ...	0	1	4				White post ...	0	3	0				
White post ...	1	1	0				Blue metal ...	0	1	7				
Whin ...	0	0	10				<i>Brockwell Seam—</i>							
White post ...	0	1	2											
Blue metal ...	0	2	2											
White post ...	0	2	8				COAL ...	0	9					
Leafy post ...	0	0	8				Band ...	0	1					
White post ...	0	2	4				COAL ...	2	2					
Blue metal ...	1	0	6							0	3	0		
Grey metal ...	0	1	7									9	3	6
Leafy post ...	0	0	6				Seggar-clay ...	0	3	0				
												0	3	0
Carried forward	7	3	9	51	3	4	Total ...				61	3	10	

No. 3,029.—USWORTH.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55' 7", Long. 1° 30' 30".

Account of Strata sunk through in a Staple below the Hutton Seam, Usworth Colliery, 1902 and 1903.—Continuation of No. 2,094.

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth at shaft from surface to bottom of <i>Hutton Seam</i> ...				172	0	1	Brought forward	4	0	6½	175	2	6½
Seggar-clay ...	1	4	0				Iron girdle ...	0	2	6			
Blue metal, mixed with iron ...	1	0	6				Grey whin ...	0	0	4			
							Iron girdle ...	0	2	0			
Black stone, with coal pipes ...	0	6					Strong blue metal ...	0	2	5			
COAL ...	0	3					Black stone ...	0	2	3			
Band ...	0	1					Post, with blue partings ...	2	0	2			
COAL ...	0	1					COAL ...	0	1	1			
Band ...	1	0									7	5	3½
COAL ...	0	7½					Blue metal ...	2	2	3			
Band ...	1	3					Whin ...	0	0	4			
COAL , coarse	0	2					Grey metal, with post girdles ...	1	0	0			
			0	3	11½		Whin ...	0	0	6			
				3	2	5½	Grey metal, with post girdles ...	1	1	2			
Blue shale ...	0	1	5				Blue metal, with iron girdle ...	2	0	0			
Strong blue metal ...	0	2	4				Grey metal, with iron girdle ...	1	4	0			
Iron girdle ...	0	3	6*				COAL ...	0	0	8			
Blue metal ...	0	3	3½								8	2	11
Blue metal, with iron	0	4	0				Seggar-clay ...	0	1	0			
Iron girdle ...	0	2	0				Grey metal, with iron girdle ...	2	0	0			
Black stone ...	0	1	10				Post ...	1	2	0			
Iron girdle ...	0	1	1				Blue metal ...	0	0	5			
Blue metal ...	0	0	3				Post ...	0	0	5			
Iron girdle ...	0	0	11				Blue metal ...	0	5	6			
Blue metal, with iron	0	3	11				Carried forward	4	3	4	191	4	9
Carried forward	4	0	6½	175	2	6½							

No. 3,029.—USWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	3	4	191	4	9	Brought forward	4	0	0	201	4	5
<i>Beaumont Seam—</i>							Grey post ...	0	1	10			
COAL ...	0	2	9				Blue metal ...	1	1	5½			
				5	0	1	<i>Busty Seam—</i>						
Seggar-clay, with iron													
balls ...	0	2	0				COAL ...	0	11				
Blue shale ...	2	5	0				Band ...	0	10				
COAL ...	0	0	9				COAL ...	0	7				
				3	1	9	Band ...	0	1½				
Seggar-clay ...	0	4	0				COAL ...	1	3				
Post ...	0	5	3				Band ...	0	4½				
COAL ...	0	0	7				COAL ...	1	7½				
				1	3	10			0	5	8½		
Seggar-clay ...	0	1	8								6	3	0
Grey metal, with iron							Seggar-clay ...	0	1	6			
girdles ...	2	3	9				COAL ...	0	0	3			
Bastard whin ...	0	2	3								0	1	9
Blue metal ...	0	0	6				Blue shale ...	0	2	5			
Post ...	0	3	10								0	2	5
Carried forward	4	0	0	201	4	5	Total ...				208	5	7

No. 3,030.—WALBOTTLE.

TOWNSHIP OF WHORLTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 46", Long. 1° 42' 28".

Account of Strata passed through in a Bore-hole in Whorlton Park, North Walbottle Royalty, by The Vivian Diamond Boring Company.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	5	3	0	6	4	0
Sand, with gravel ...	0	2	0				Grey sandstone ...	0	2	0			
Fine sand ...	0	3	0				Dark blue shale ...	0	5	0			
Clay, with gravel ...	0	0	6				Grey sandstone ...	0	5	6			
Blue clay, with							Blue shale ...	1	0	0			
cobbles ...	1	5	6				Grey sandstone ...	0	1	0			
Fine sand ...	0	2	6				Blue shale ...	0	3	6			
Blue clay, with							Dark grey sandstone	0	5	0			
cobbles ...	1	4	6				Blue sandy shale ...	0	4	6			
Blue clay ...	0	1	6				Grey sandstone ...	0	4	0			
				5	2	6	Blue shale ...	0	4	0			
Blue shale ...	0	1	6				Black shale ...	0	2	6			
<i>High Main Seam—</i>							Blue sandy shale ...	0	2	6			
COAL ...	1	0	0				Grey sandstone ...	3	0	0			
				1	1	6	Blue shale ...	1	4	6			
Grey shale ...	0	2	0				Blue shale, with						
Black shale ...	0	2	0				small balls of iron-						
Grey sandy shale ...	0	1	3				stone ...	1	5	0			
Black shale ...	0	2	3				Blue shale ...	0	3	6			
Grey sandstone ...	0	0	4				Black shale, with						
Black shale ...	0	0	10				thin beds of coal...	1	0	6			
Grey sandstone ...	0	1	10				Dark blue shale,						
Blue shale ...	3	1	6				with ironstone						
Grey sandstone ...	0	1	0				balls ...	0	3	0			
Blue shale ...	0	2	0				Blue shale ...	1	3	0			
Carried forward	5	3	0	6	4	0	Carried forward	23	2	0	6	4	0

No. 3,030.—WALBOTTLE.—(CONTINUED.)

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	23	2	0	6	4	0	Brought forward				95	5	0
Black shale ...	...	0	1	0			Blue sandy shale ...	...	0	4	0		
Blue shale ...	...	0	5	0			Grey sandstone ...	...	0	1	6		
Black shale ...	...	0	2	0			Fire-clay ...	...	0	1	6		
Blue shale ...	...	0	3	0			Blue sandy shale ...	...	0	4	0		
Blue sandy shale ...	...	0	2	6			Grey sandstone ...	...	0	1	0		
Grey sandstone ...	10	1	6				Blue shale ...	...	1	2	0		
Grove Seam (waste) ..	,,	,,	,,				Grey sandy shale ...	...	0	1	0		
Fire-clay ...	...	0	2	6			Grey sandstone ...	...	0	4	0		
				36	1	6	Blue shale ...	...	0	5	0		
Grey sandy shale ...	...	3	0	6			Grey sandstone ...	...	0	1	7		
Grey sandstone, with							Blue shale ...	...	0	1	10		
small beds of shale	...	2	2	0			Stone Coal or Three-						
Grey sandstone ...	...	5	2	0			Quarter Seam—						
Blue sandy shale ...	...	3	2	0									
Grey sandstone, with													
shale joints ...	...	3	2	0									
Grey sandstone ...	...	3	4	0									
COAL ...	...	0	2	6									
				21	3	0							
Blue shale ...	...	2	0	6									
Grey sandstone ...	...	5	0	0									
Dark blue shale ...	...	1	1	6									
Grey sandstone ...	...	0	1	6									
Grey sandy shale ...	...	0	3	0									
Dark blue shale ...	...	4	3	6									
Ironstone ...	...	0	0	6									
Black shale ...	...	1	0	0									
Fire-clay ...	...	0	2	0									
Grey sandstone, with													
shale joints ...	...	1	4	0									
Blue sandy shale ...	...	0	3	0									
Fire-clay ...	...	0	4	0									
Blue sandy shale ...	...	1	0	0									
Black shale, full of													
coal ...	...	0	1	0									
Grey sandstone ...	...	0	1	0									
Blue shale ...	...	0	0	6									
Grey sandstone ...	...	0	0	6									
Blue sandy shale ...	...	0	5	0									
Grey sandstone ...	...	0	1	6									
Blue shale ...	...	1	3	0									
Grey sandstone ...	...	1	4	0									
Blue sandy shale ...	...	0	1	2									
Grey sandstone ...	...	0	1	6									
Blue sandy shale ...	...	0	0	4									
Engine or Beaumont													
Seam—													
COAL ...	...	0	3	6									
				24	4	6							
Fire-clay ...	...	0	1	6									
Grey sandstone ...	...	2	5	0									
Hodge Seam—													
COAL ...	...	0	1	3									
				3	1	9							
Blue sandy shale ...	...	1	4	7									
Grey sandstone ...	...	0	4	8									
Blue sandy shale ...	...	0	3	6									
COAL ...	...	0	1	6									
				3	2	3							
Carried forward				95	5	0							

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward							Brought forward				95	5	0
Blue sandy shale	0	4	0			Blue sandy shale ...	...	0	4	0		
Grey sandstone	0	1	6			Grey sandstone ...	...	0	1	6		
Fire-clay	0	1	6			Fire-clay ...	...	0	1	6		
Blue sandy shale	0	4	0			Blue sandy shale ...	...	0	4	0		
Grey sandstone	0	1	0			Grey sandstone ...	...	0	1	0		
Blue shale	1	2	0			Blue shale ...	...	1	2	0		
Grey sandy shale	0	1	0			Grey sandy shale ...	...	0	1	0		
Grey sandstone	0	4	0			Grey sandstone ...	...	0	4	0		
Blue shale	0	5	0			Blue shale ...	...	0	5	0		
Grey sandstone	0	1	7			Grey sandstone ...	...	0	1	7		
Blue shale	0	1	10			Blue shale ...	...	0	1	10		
Stone Coal or Three-							Stone Coal or Three-						
Quarter Seam—							Quarter Seam—						

No. 3,031.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 55° 0' 27", Long. 1° 42' 59".

Account of Strata sunk and bored through in the Betty Pit, North Walbottle Colliery.

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	1	5	6										
				1	5	6							
Grey post	3	5	6										
COAL	0	4	0										
				4	3	6							
Black shale	0	2	0										
Splint	0	1	5										
Blue metal, with post girdles	2	1	3										
COAL	0	0	6										
				2	5	2							
Seggar-clay	0	5	0										
Dark leafy post	0	3	6										
Grey post	1	1	0										
Blue metal	1	4	0										
COAL	0	0	2										
Seggar-clay	1	0	6										
White post	0	5	0										
Blue metal	1	0	5										
COAL	0	0	4½										
				7	1	1½							
Seggar-clay	0	0	1½										
White and grey post	3	5	8										
Blue metal	4	3	0										
Strong post girdle... ..	0	1	6										
Grey metal	3	5	1										
Grey post	2	0	6										
Whin	0	1	6										
Leafy grey post	3	0	6										
COAL	0	0	1½										
Blue metal, with post girdle	3	2	6										
White post, with blue metal girdles	1	5	9										
Grey metal, with post girdles	1	0	0										
White post	0	4	9										
Grey metal, with coal pipes, and pebbles	0	4	6										
Black stone	0	0	6										
COAL	0	1	0										
				26	1	0							
Seggar-clay	0	2	0										
White post, with open joints	1	2	4										
Grey metal, with post threads	0	0	9										
White post, with very open joints... ..	0	4	0										
Blue metal	0	0	2										
White post girdle	0	0	9										
Blue metal	0	0	2										
Brought forward	2	4	2 42	5	1½								
Grey post, very open	0	3	8										
Blue metal	0	0	6										
Grey metal, with post threads	0	2	0										
Blue metal	0	0	9										
Dark grey post	1	1	3										
Blue metal	0	0	6										
White post, with blue metal girdle... ..	0	4	3										
Dark grey post, with blue metal girdles	1	1	10										
Green shale, with white post	2	1	4										
Ironstone girdle	0	0	5										
Grey metal, with post threads	3	0	11										
Blue metal, with coal threads, and ironstone balls	4	0	11										
Blue metal, with iron balls	2	0	0										
Blue metal, with post threads	0	4	2										
Whin	0	1	8										
Grey post	2	0	1										
Very strong light grey post	1	2	8										
Grey metal, with post patches	0	4	0										
Fine blue metal	0	3	6										
COAL	0	0	2½										
				24	2	9½							
Seggar-clay	1	0	3½										
Blue metal	0	1	6										
Dark grey post	1	1	9										
Very strong light grey post	0	2	6										
Ironstone girdle	0	0	2										
Light grey post	2	1	2										
COAL	0	0	3										
Seggar-clay	0	0	7										
Grey metal	0	4	0										
Grey post	1	1	8										
Soft blue metal	0	5	4										
Black shale	0	4	6										
Seggar-clay	0	4	9										
Grey post	3	1	1										
Grey metal	0	1	6										
Light grey post, with whin	7	5	0										
Carried forward	2	4	2 42	5	1½								
Carried forward	15	4	5 72	3	6½								

No. 3,031.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	15	4	5	72	3	6½	Brought forward	0	4	2	103	1	8½
Light grey post, with grey metal...	0	5	0				Blue metal ...	0	5	4			
Light grey post ...	0	2	10				COAL ...	0	1	0			
Blue metal, with post patches ...	0	3	0								1	4	6
<i>Engine or Beaumont Seam—</i>							Blue metal ...	0	4	2			
COAL ...	0	4	6				Post ...	0	4	8			
				18	1	9	Blue metal ...	0	2	10			
Coarse brown seggar- clay ...	0	0	8				<i>Main Coal Seam—</i>						
Grey seggary post ...	0	1	10				COAL ...	0	3	1			
White post, with partings ...	1	5	8								2	2	9
Grey post ...	0	1	4				Seggar-clay ...	0	4	8			
White post ...	0	2	7				Post ...	0	0	10			
<i>Hodge Seam—</i>							COAL ...	0	0	4			
COAL ...	0	1	8				Blue metal ...	0	0	10			
				3	1	9	Post ...	0	5	0			
Seggar-clay ...	0	1	9				Blue metal ...	0	2	0			
Grey post girdle ...	0	0	4				Post ...	0	1	8			
Blue metal ...	0	2	8				Blue metal ...	1	1	1			
White post ...	0	4	3				COAL ...	0	1	5			
<i>Tilley Seam—</i>											3	5	10
COAL ...	0	2	10				Seggar-clay ...	0	1	2			
				1	5	10	COAL ...	0	0	4			
Seggar-clay ...	0	2	9				Blue metal ...	2	2	0			
Grey post ...	0	1	5				COAL ...	0	0	5			
COAL ...	0	0	2				Blue metal ...	1	4	10			
Seggar-clay, with ironstone balls ...	0	2	9				COAL ...	0	0	3			
Blue metal ...	1	4	1				Blue metal ...	3	1	7			
Grey post ...	1	3	8				<i>Brockwell Seam—</i>						
Whin ...	0	2	10				COAL ...	0	7				
Blue metal ...	1	0	2				Band ...	0	5				
Post ...	0	1	0				COAL ...	3	2				
Blue metal ...	0	3	6								0	4	2
<i>Three-Quarter Seam—</i>													
COAL ...	0	2	6								8	2	9
				7	0	10	White post ...	0	4	2			
Seggar-clay ...	0	3	6				Blue metal ...	0	1	2			
COAL ...	0	0	8				Post ...	0	2	1			
							Black shale ...	0	1	5			
Carried forward	0	4	2	103	1	8½	COAL ...	0	0	4			
											1	3	2
							Blue metal ...	0	1	10			
							Post ...	2	4	6			
											3	0	4
							Total ...				124	3	0½

No. 3,032.—WALBOTTLE.

TOWNSHIP OF WHORLTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 16", Long. 1° 42' 25".

*Account of Strata passed through in a Bore-hole opposite the Gingling Gate
Public-house at Gingling Gate. Commenced May 22nd, 1901.*

Approximate surface-level 340 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	9				Brought forward	0	5	6			
Sand ...	0	2	9				Stony clay ...	0	2	8			
											1	2	2
Carried forward	0	5	6				Carried forward				1	2	2

No. 3,032.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				1	2	2	Brought forward	16	0	10	1	2	2
Light grey metal ...	1	1	0				Very hard grey post	0	1	6			
Rotten stone...	0	3	10				Strong grey metal ...	1	0	11			
Black metal and stone ...	0	2	2				Very hard grey post	0	1	1			
Grey metal, with iron and post girdles, and water at 5 fathoms 2 feet 6 inches ...	2	5	5				Mild grey metal, with post girdles ...	0	3	0			
Dark metal, with scales of coal ...	0	3	11				Strong leafy post, with metal partings ...	3	4	3			
Grey metal, with post girdles ...	1	3	8				Hard grey post, with metal partings ...	0	3	11			
Dark grey metal and coal ...	0	1	4				Mild leafy post ...	0	1	6			
Grey metal, with post girdles ...	0	5	8				Strong grey post, with metal partings ...	1	3	3			
Black metal and coal	0	1	7				Mild grey metal ...	0	0	7			
Mild leafy post, with metal partings, and a little water	1	3	9				Hard white post ...	1	0	8			
Blue metal, with post girdles ...	0	5	2				Strong grey post, with metal partings ...	5	4	7			
Black metal ...	0	0	4				Hard white post, with water ...	2	3	0			
Hard light grey post, with thin metal partings, and a little water ...	2	0	3				Mild white post, with gulleets: lost water ...	2	2	5			
Grey metal, with post girdles ...	0	4	0				Strong black metal...	0	0	9			
Hard grey post ...	0	1	10				Seggar-clay ...	0	4	3			
Hard grey metal ...	1	4	11				Mild grey post ...	0	1	3			
							Mild grey metal ...	0	5	7			
							Strong white post, into ...	0	2	6			
Carried forward	16	0	10	1	2	2					38	3	10
							Total ...	40	0	0			

No. 3,033.—WALDRIDGE.

TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 0", Long. 1° 36' 0".

Account of Strata sunk through in the Busty Pit, Walldridge Colliery, 1875.

Approximate surface-level 351 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Peaty soil ...	0	1	0				Brought forward	6	0	3			
Strong loam ...	1	3	0				COAL, bottom, with clay partings ...	1	2	11			
				1	4	0	Clay and sand, with boulders, and water	6	1	4			
Soft metal stone ...	3	2	0				Gravel, with water...	0	4	6			
Blue metal, with coal pipes ...	0	2	5				Soft blue metal ...	2	1	10			
Shield Row Seam—													
COAL ...	0	3	10										
				4	2	3							
Carried forward				6	0	3	Carried forward	10	4	7	6	0	3

No. 3,033.—WALDRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	4	7	6	0	3	Brought forward	51	1	9			
<i>Five-Quarter Seam—</i>							Dark seggar-clay ...	0	3	6			
Ft. In.							White post ...	0	0	8			
COAL, good 3 10							COAL and stone ...	0	0	3			
Stone band... 0 2							Grey post and metal	0	3	1			
COAL, with							Post ...	0	0	11			
water ... 1 0							Blue metal ...	0	0	9			
	0	5	0				White post, with						
				11	3	7	metal partings ...	1	0	3			
Thill stone and coal	0	3	1				<i>Foot Seam—</i>						
Seggar-clay, with							COAL ...	0	1	0			
iron balls ...	2	0	8								2	4	5
Blue metal ...	1	1	2				Dark seggar-clay ...	0	1	0			
Thill stone and coal	0	1	8				Dark grey post ...	0	1	5			
Grey metal ...	0	3	6				Black stone ...	0	1	1			
Post and whin,							White post and whin	1	1	0			
mixed ...	0	2	6				Metal and grey post	3	1	8			
Soft blue metal ...	2	0	6				Blue metal, with iron						
Black stone ...	0	5	4				balls ...	0	3	1			
Blue metal ...	0	2	0				<i>Hutton Seam—</i>						
<i>Main Coal Seam—</i>							Ft. In.						
COAL, good 3 3							COAL, good 3 8						
Splint ... 0 6							COAL, coarse 2 0						
Thill stone 1 0								0	5	8			
COAL ... 1 0											6	2	11
	0	5	9				Strong seggar-clay						
				9	2	2	and iron ...	0	5	3			
Grey metal ...	3	4	5				White post ...	1	0	2			
Grey post ...	2	1	3				Blue metal ...	0	0	3			
Blue metal ...	1	5	10				COAL, good ...	0	0	3			
<i>Maudlin Seam—</i>							Grey metal ...	4	1	2			
Ft. In.							White post, with						
COAL, coarse 1 0							spar ...	0	3	7			
COAL, good 4 3							Black stone ...	0	0	5			
	0	5	3				Seggar-clay, with						
				8	4	9	iron balls ...	0	3	0			
Seggar-clay ...	0	2	3				Metal, with post gir-						
Metal, with post gir-							dles ...	3	2	10			
dles ...	1	3	4				COAL, good ...	0	1	0			
Blue metal ...	1	1	5								10	5	11
Whin stone ...	0	1	4				Strong seggar-clay...	0	2	0			
Metal, with post gir-							Black metal ...	1	0	7			
dles ...	0	4	11				Strong white post ...	1	0	0			
Blue metal ...	2	1	7				Grey metal ...	0	5	6			
<i>Low Main Seam—</i>							White post ...	1	5	4			
COAL, good ...	0	2	11				Soft black stone ...	3	3	0			
				6	5	9	COAL, good ...	0	0	6			
Thill stone and coal	0	1	4				Seggar-clay, good ...	0	3	0			
Seggar-clay ...	0	1	6				COAL, good ...	0	0	7			
Loose post ...	0	5	9				Blue metal ...	0	1	7			
Hitch leader, altered							Grey post ...	0	4	0			
post ...	2	5	3				Blue metal ...	0	3	0			
Post and metal ...	3	3	7				<i>Harvey Seam—</i>						
<i>Brass Thill Seam—</i>							COAL, good ...	0	1	9			
Ft. In.											11	0	10
COAL, good 0 10							Strong seggar-clay...	0	3	0			
COAL, coarse 3 0							Grey metal ...	1	3	4			
	0	3	10				Blue metal ...	0	2	2			
				8	3	3	COAL, good ...	0	0	3			
							Seggar-clay ...	1	0	0			
Carried forward				51	1	9	Carried forward	3	2	9	82	3	10

No. 3,033.—WALDRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	9	82	3	10	Brought forward	2	1	7	89	1	2
White post ...	...	1	4	0			COAL ...	...	0	0	1		
COAL, good ...	...	0	0	8			Black stone ...	...	0	1	6		
Metal stone ...	...	1	0	1			Soft dark post ...	...	0	2	8		
							COAL, coarse ...	...	0	0	8		
COAL, good... Ft. In.	0	11					Strong coarse seggar-						
Band ...	...	0	1				clay ...	...	0	1	7		
COAL, coarse	...	0	10				Hard grey post gir-						
	...	0	1	10			dles ...	...	5	1	9		
					6	3	4	Busty Seam—					
Seggar-clay ...	...	0	2	0									
Soft dark post and							COAL, good	...	1	11			
metal ...	...	1	0	7			Stone band...	...	0	2			
COAL, good	...	0	0	4			COAL, good	...	1	11			
Seggar-clay, with								...	0	4	0		
iron balls ...	...	0	4	8							9	1	10
Carried forward	2	1	7	89	1	2	Total ...	...	98	3	0		

No. 3,034.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole in a Field called "Cock Shots," near Bill Quay, by Messrs. George and Thomas Rawling, July 17th, 1780.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold	15	0	6				Brought forward	2	3	9	39	2	1
Box ...	...	1	4	6			Grey and blue metal						
				16	5	0	and metal stone,						
Blue metal stone,							with hard lumps,						
with post girdles...	4	4	0				and water near the						
Brown post, with							bottom ...	...	2	4	9		
water ...	...	2	1	6			Black metal, mixed						
COAL, soft ...	...	0	0	5			with coal ...	...	0	0	10		
				6	5	11							
Soft blue metal ...	...	0	3	0			COAL	...	0	6			
Soft grey metal ...	...	0	5	0			Grey metal ...	...	0	1			
Brown thready post,							COAL	...	0	3			
with partings, and								...	0	0	10		
water ...	...	9	2	8							5	4	2
White post ...	...	0	4	0			Grey scamy stone,						
Blue metal stone,							with hard girdles,						
with post girdles...	1	2	0				and water ...	...	6	3	2		
Strong white post,							Strong white post,						
with water ...	...	2	3	9			with scamy part-						
COAL ...	...	0	0	9			ings, and water...	...	1	0	6		
				15	3	2	Blue stone, with post						
Grey post, with							girdles, and water	...	1	2	8		
water ...	...	2	3	0			White post, with						
Blue and black slaty							partings, and water	...	1	0	0		
metal ...	...	0	0	9									
Carried forward	2	3	9	39	2	1	Carried forward	10	0	4	45	0	3

No. 3,034.—WALKER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	0	4	45	0	3	Brought forward	0	4	2	74	0	4
Blue metal stone, with girdles, and water	1	0	0				White post	0	3	0			
Strong white post, with water	0	4	0				Strong white post, mixed with whin and whin girdles...	10	2	6			
Blue metal stone, with hard lumps...	3	4	0				Grey metal stone ...	1	0	0			
							Post girdle, with metal partings ...	1	2	6			
COAL							Blue grey metal stone	0	3	0			
Blue metal	0	2					Blue and black metal	2	4	0			
COAL , foul	0	4					COAL	0	0	6			
				0	1	0					17	1	8
				15	3	4	Grey metal and metal stone, with post girdles ...	1	3	0			
Grey metal	0	1	0				Strong white post, with a mixture of whin in places ...	9	3	0			
Grey metal stone, with hard lumps...	2	0	0				Black grey scamy post	0	2	0			
White post, with water	1	2	0				Strong grey metal stone, with girdles	1	0	0			
Strong white post, mixed with whin in plates	2	3	0				Strong girdly post, with partings ...	1	4	6			
Blue metal	0	0	4										
COAL , foul... ..	0	0	2				COAL	0	3				
Grey metal, with post girdles	1	2	6				Black metal	0	4				
Blue metal stone ...	0	5	0				COAL , with sulphur, and a small brass lump near the bottom...	2	11				
Grey metal stone ...	0	5	2				Black metal	0	4				
Strong white post, mixed with whin	0	5	4				Grey metal	1	2				
Blue metal stone, with hard lumps...	1	0	3				COAL , brassy ...	0	3				
Blue metal	0	0	4				COAL , slaty... ..	0	1				
COAL , with water...	0	0	8				COAL , good... ..	2	7				
				11	1	9				1	1	11	
Grey metal	0	4	6								15	2	5
Strong white post, mixed with whin...	0	2	0				Grey metal	0	0	6			
Grey scamy stone ...	0	5	6				Grey metal stone ...	0	3	9			
Black metal	0	0	4				White post, into ...	0	0	2			
COAL	0	0	8								0	4	5
				2	1	0							
Blue grey metal ...	0	1	0										
Grey metal	0	0	3										
Carried forward	0	4	2	74	0	4	Total ... ..	...	107	2	10		

No. 3,035.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. $54^{\circ} 58' 30''$, Long. $1^{\circ} 32' 39''$.*Account of Strata sunk and bored through below the Beaumont Seam in the Ann Pit, Walker Colliery.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	3	4	0			
Post	3	4	0				COAL	0	0	6			
											3	4	6
Carried forward	3	4	0				Carried forward				3	4	6

No. 3,035.—WALKER.—CONTINUED.

Brought forward				Brought forward			
Fs.	Ft.	In.		Fs.	Ft.	In.	
			3 4 6				17 5 5
Black stone ...	0	0	8	Seggar-clay ...	0	0	10
Blue metal ...	0	1	7	Grey metal ...	0	4	10
Post ...	1	4	1	Post ...	0	3	5
COAL ...	0	0	10	Grey metal ...	1	1	7
			2 1 2	Post ...	0	3	8
Blue metal ...	0	0	6	Blue metal ...	1	1	7
Post ...	0	5	10	Post ...	0	1	3
Blue metal ...	1	0	4½	Blue metal ...	0	1	1
Black stone ...	0	0	6	COAL ...	0	1	3
COAL ...	0	1	3				5 1 6
			2 2 5½	Shale and band ...	0	1	4
Grey metal ...	0	0	6	Seggar-clay ...	0	2	0
Post ...	2	1	4	White post ...	0	1	10
Blue metal ...	0	0	9	Blue metal, with post			
COAL ...	0	1	1	girdles ...	1	4	1
			2 3 8	Dark post, mixed			
Post ...	4	1	7½	with whin ...	0	2	4
Blue metal ...	0	0	6	Blue metal ...	0	3	6
Supposed <i>Busty Seam</i> —				Black stone ...	0	1	2
COAL ...	0	2	11	COAL ...	0	0	11
			4 5 0½				3 5 2
			15 4 10	Post ...	0	1	7
<i>Bored further:—</i>				Coal pipe ...	0	0	0½
Grey metal ...	0	5	9	Post ...	0	3	0
Post ...	0	5	10	Blue metal ...	1	4	9
Blue metal ...	0	0	6	Whin, into ...	0	0	3
COAL ...	0	0	6				2 3 7½
			2 0 7				
Carried forward			17 5 5	Total ...			29 3 8½

No. 3,036.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 58' 10", Long. 1° 32' 27".

Account of Strata passed through in a Bore-hole below the Beaumont Seam in the Jane Pit, Walker Colliery. Commenced December, 1897.

Approximate surface-level feet above sea (Ordnance datum).

From scaffold to bot-				Brought forward			
Fs.	Ft.	In.		Fs.	Ft.	In.	
			2 1 0				15 3 0
tom of shaft ...	2	1	0				
Hard grey post ...	1	3	0	COAL , rather			
Grey post, with hard				coarse ...	0	10	
girdles, and water	5	1	9	COAL ...	1	7	
Black stone ...	0	3	0		0	2	5
Grey post ...	6	0	3				15 5 5
				Grey metal ...	0	0	4
				Dark post ...	0	2	0
							0 2 4
Carried forward	15	3	0	Total ...			16 1 9

No. 3,037.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 2 Bore-hole below the Beaumont Seam, in the No. 4 West District, one mile from the Shaft, Jane Pit, Walker Colliery.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hard grey and white post ...	2	1	6				Brought forward	14	1	5			
Hard white post, with water ...	3	5	0				Grey post, with iron-stone girdles ...	4	1	1			
Coal pipes ...	0	0	7				Hard white post ...	1	4	7			
Grey post, with hard girdles ...	1	0	6										
Whin ...	0	0	6				COAL ...	1	5½				
Grey post ...	0	5	0				Band ...	0	1½				
COAL ...	0	0	10				COAL ...	0	1				
				8	1	11	Black stone and coal ...	0	4½				
Grey post ...	2	0	0				COAL, coarse ...	0	2½				
Hard white post ...	3	3	10						0	2	3		
											6	1	11
COAL ...	1	2					Black stone ...	0	0	2			
Black stone and coal ...	0	6					Seggar-clay ...	0	0	2			
											0	0	4
				0	1	8							
				5	5	6							
Carried forward	14	1	5				Total ...	20	3	8			

No. 3,038.—WALLSEND.

TOWNSHIP OF BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 31", Long. 1° 31' 58".

Account of Strata sunk through in the Rising Sun Pit, Wallsend Colliery. Commenced July 9th, 1906.

Approximate surface-level 162 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, mixed with gravel ...	3	1	0				Brought forward	23	2	10	3	1	0
				3	1	0	Blue metal ...	0	4	5½			
Soft brown post ...	1	0	4				Seggar-clay ...	2	5	3½			
Blue metal ...	4	4	8				COAL ...	0	0	10½			
Seggar-clay ...	0	5	4					27	1	5½			
Black shale ...	0	2	10½				Seggar-clay ...	0	1	9			
COAL ...	0	0	1½				Grey metal ...	1	1	10			
Mild grey metal ...	0	4	8				Strong post or whin ...	0	1	6			
Reddish post ...	0	4	9				Leafy grey metal ...	3	5	9			
White and grey post, mixed ...	12	2	2½				Hard seggar-clay ...	1	1	6			
Seggar-clay ...	0	4	6½				Soft seggar-clay ...	0	4	5			
Grey metal ...	1	1	5				Grey metal ...	1	4	7			
Grey metal, with partings ...	0	1	11				Whin ...	0	2	9			
							Grey post ...	2	0	6			
Carried forward	23	2	10	3	1	0	Seggar-clay ...	2	2	3			
							Grey metal ...	2	1	6			
Carried forward	16	4	4	30	2	5½							

No. 3,038.—WALLSEND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	16	4	4	30	2	5½	Brought forward	99	0	4½			
Post ...	3	2	4				Soft seggar-clay ...	0	0	9			
COAL ...	0	0	5				Hard seggar-clay ...	0	1	6			
Seggar-clay ...	1	2	1				Strong grey metal ...	0	4	10			
Black shale ...	1	0	7				Hard post ...	0	3	2			
COAL ...	0	1	0				Blue metal ...	2	1	1			
				22	4	9							
Seggar-clay ...	0	5	9				COAL ...	0	7				
COAL ...	0	0	10				Band ...	0	3				
Strong grey metal ...	1	2	1				COAL ...	0	2				
Dark grey metal,										0	1	0	
with post ...	2	2	3								4	0	4
Whin ...	0	1	2				Seggar-clay ...	0	3	3			
Seggar-clay ...	0	5	4				Post ...	0	0	3			
COAL ...	0	0	8				Grey metal ...	0	0	2			
Seggar-clay ...	0	1	5				Post ...	0	0	6			
COAL ...	0	0	11				Grey metal, with gir-						
				6	2	5	dles ...	0	5	10			
Soft seggar-clay ...	1	3	8				Blue metal, with coal						
Hard seggar-clay,							partings ...	0	3	0			
with post ...	0	1	2				Post ...	0	3	6			
Hard seggar-clay ...	1	4	6				Blue metal ...	1	3	9			
Grey metal ...	1	0	6				COAL ...	0	0	5			
Soft seggar-clay ...	0	2	8				Seggar-clay ...	0	4	0			
COAL ...	0	0	7				Grey post, with hard						
				5	1	1	whin panels ...	2	5	1			
Soft seggar-clay ...	0	2	9				White post, with						
Hard seggar-clay ...	1	4	6				hard whin panels	3	2	0			
White post ...	0	5	7				Bluemetal, with iron						
Grey metal ...	0	2	6				girdles ...	1	0	2			
White post ...	3	0	3				Post ...	0	3	0½			
Grey metal ...	0	0	6				Blue metal ...	0	3	0			
Post, with grey metal							<i>Yard Seam—</i>						
bands ...	1	3	6				COAL ...	0	3	0			
Seggar-clay ...	0	2	10								13	4	11½
White post ...	1	5	8				Hard seggar-clay ...	0	1	0			
Dark blue metal ...	2	5	2				Post ...	2	5	6			
COAL ...	0	0	1¾				Blue metal ...	0	3	9			
Very hard post, with							Grey post, with blue						
whin girdles ...	11	1	4				metal ...	0	3	3			
White post, with							Grey metal ...	0	1	8½			
bands of grey							COAL ...	0	0	1½			
metal ...	2	1	6				Grey metal, with						
<i>High Main Seam—</i>							ironstone balls ...	3	1	4			
COAL ...	1	0	3¾				Grey post ...	0	1	6			
				28	0	6½	Whin ...	0	0	6			
Soft seggar-clay ...	0	2	5				Grey post ...	1	3	0			
Dark blue metal ...	3	4	4				White post ...	0	1	0			
Grey metal, with post							Grey metal ...	0	3	4			
girdles ...	1	3	2				Seggar-clay ...	0	0	6			
<i>Metal Coal Seam—</i>							<i>Bensham Seam—</i>						
COAL ...	0	6					COAL ...	2	9¾				
Band ...	0	2½					Splint ...	0	2¼				
COAL ...	2	6					COAL ...	2	3				
				0	3	2½				0	5	3	
				6	1	1½					11	1	9
Carried forward	99	0	4½				Total ...	128	1	5			

No. 3,039.—WALLTOWN.

TOWNSHIP OF WALLTOWN, NORTHUMBERLAND.

Sheet 82 of Ordnance Map. Lat. 54° 59' 33", Long. 2° 28' 22".

Account of Strata sunk through in the Cockmount Hill Mine.

Approximate surface-level 650 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Whin ...	23	0	9				Brought forward	2	4	6	50	3	9
Hazle ...	1	0	6				Hazle ...	4	3	0			
Grey beds and hazle	1	4	9				Conglomerate	1	0	0			
Plate, post and fire-clay	0	3	9				Hazle ...	0	3	9			
Hazle ...	1	4	9				Conglomerate	1	3	6			
Plate ...	0	2	6				Plate ...	5	1	0			
Hazle ...	1	5	9				Limestone	0	3	6			
Plate ...	3	5	0				Plate ...	2	1	3			
Hazle ...	0	2	0				Limestone	2	0	9			
Plate and coal	5	5	3				Plate and coal	0	1	0			
				40	5	0					20	4	3
Hazle ...	6	5	9				Hazle ...	0	4	0			
Plate and coal	2	5	0				Plate ...	0	2	3			
				9	4	9	Hazle ...	2	4	6			
Fire-clay, with white post	2	4	6				Plate and grey beds	1	2	3			
											5	1	0
Carried forward	2	4	6	50	3	9	Total ...				76	3	0

No. 3,040.—WALLTOWN.

TOWNSHIP OF WALLTOWN, NORTHUMBERLAND.

Sheet 83 of Ordnance Map. Lat. 55° 0' 37", Long. 2° 27' 43".

Account of Strata passed through in a Bore-hole at High Toppald, 1901.

Approximate surface-level 658 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface peat...	0	1	0				Brought forward	0	1	6	23	3	0
Clay, with pebbles...	2	4	9				Dark blue limestone	0	5	0			
Broken red sandstone and clay	5	2	3				Soft blue sandstone	0	1	6			
Clay, with boulders	10	3	0				Soft light grey sandstone	0	3	0			
				18	5	0	Broken yellow sandstone	0	4	6			
Variegated sandy shale	2	3	7				Variegated sandy shale	0	2	0			
Broken limestone	0	0	8				Yellow sandstone	0	1	6			
Broken yellow sandstone, with water	1	4	0				Soft dark blue shale	2	1	0			
							Yellow and grey mottled sandstone	1	1	6			
COAL	0	9					Variegated sandy shale	1	2	0			
Soft blue shale	0	9					Yellow and grey mottled sandstone	1	4	6			
COAL and dirt	0	3					Broken sandy shale	0	2	6			
				0	1	9							
						4	4	0					
Soft dark blue shale	0	1	6				Carried forward	10	0	6	23	3	0
Carried forward	0	1	6	23	3	0							

No. 3,040.—WALLTOWN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	0	6	23	3	0	Brought forward	9	1	7	83	3	11
Soft dark blue shale	1	4	0				Blue shale ...	0	0	4			
Broken grey sandstone ...	0	5	6				COAL ...	0	0	3			
Variegated sandy shale ...	0	3	0								9	2	2
COAL and soft shale	0	0	7				Soft blue shale ...	0	2	0			
				13	1	7	Grey shale ...	1	0	0			
Dark blue shale ...	0	2	0				Blue shale ...	0	4	0			
Hard grey broken sandstone ...	1	5	0				Broken shale ...	0	1	6			
Grey and mottled sandy shale ...	1	1	0				Siliceous sandstone ...	0	3	0			
Dark grey shale ...	1	4	0				Grey sandstone ...	1	0	0			
Grey sandy shale ...	5	5	6				Grey sandy shale ...	1	3	0			
Blue shale, with ironstone balls ...	2	1	0				<i>Limestone</i> ...	0	4	0			
<i>Limestone</i> ...	1	3	8				Dark blue shale ...	0	4	9			
Grey and blue sandy shale ...	3	0	0				Grey shale ...	1	1	0			
Blue and grey shale	1	4	0				Dark blue shale ...	0	4	0			
<i>Shaly limestone</i> ...	0	2	0				Dark grey sandy shale ...	0	5	0			
Blue shale ...	0	5	0				Black shale ...	0	0	6			
Blue and grey shale, with ironstone bands ...	1	1	9				COAL ...	0	0	2			
Strong grey shale ...	1	5	0								9	2	11
Blue and grey shale ...	0	4	0				Black shale ...	0	0	4			
Broken grey shale ...	0	3	0				Strong grey shale ...	0	4	0			
Blue and grey shale	2	4	0				Grey sandy shale ...	0	3	6			
Blue shale, with ironstone balls ...	3	1	0				Broken grey shale ...	1	1	2			
<i>Shaly limestone</i> , with ironstone balls ...	0	3	1				Grey sandy shale ...	1	1	0			
Dark blue shale, with <i>limestone</i> ...	1	3	0				Dark blue shale ...	0	5	6			
<i>Limestone</i> ...	3	1	1				Strong grey and blue shale ...	1	0	0			
Grey shale ...	2	4	1				Broken grey shale ...	1	3	0			
Blue <i>shaly limestone</i> , with ironstone ...	2	1	8				Dark blue shale ...	0	4	8			
Hard grey shale ...	0	5	0				Grey sandy shale ...	0	4	0			
Blue and grey shale	0	3	0				Strong grey sandstone ...	5	2	7			
Blue shale ...	0	2	4				Blue sandy shale ...	2	2	6			
Grey shale ...	0	4	0				Dark blue shale, with ironstone balls ...	1	0	6			
Hard grey shale ...	0	3	0				<i>Limestone</i> ...	0	3	6			
Light blue shale ...	0	5	0				Hard grey broken sandstone ...	0	4	0			
Soft grey shale ...	0	1	1				Blue and grey sandy shale ...	2	1	0			
Grey shale ...	2	0	6				Hard broken grey sandstone ...	1	3	0			
COAL ...	0	0	7				Grey sandy shale ...	0	4	0			
				46	5	4	Blue metal, with ironstone balls ...	2	5	3			
Blue and grey sandy shale ...	3	2	7				<i>Limestone</i> ...	0	1	0			
Broken grey sandstone ...	2	5	0				COAL and dirt ...	0	0	5			
Strong grey shale ...	1	3	0								26	0	11
Grey shale ...	0	4	0				Soft black shale ...	0	0	7			
<i>Limestone</i> ...	0	1	0				Blue and grey sandy shale ...	0	5	0			
Dark blue shale ...	0	3	0				Hard broken grey shale ...	0	4	7			
<i>Limestone</i> ...	0	1	0				Grey sandy shale ...	1	1	0			
							Broken blue and grey shale ...	0	5	3			
Blue and grey sandy shale ...	3	2	7				Broken ironstone ...	0	0	9			
Broken grey sandstone ...	2	5	0										
Strong grey shale ...	1	3	0				Carried forward	3	5	2	128	3	11
Grey shale ...	0	4	0										
<i>Limestone</i> ...	0	1	0										
Dark blue shale ...	0	3	0										
<i>Limestone</i> ...	0	1	0										
Carried forward	9	1	7	83	3	11							

No. 3,040.—WALLTOWN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	5	2	128	3	11	Brought forward	134	0	4			
Blue shale, with ironstone balls ...	1	0	2				Light blue shale, into ...	0	1	6			
COAL ...	0	3	1							0	1	6	
				5	2	5							
Carried forward				134	0	4	Total ...	134	1	10			

No. 3,041.—WARDLEY.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56' 21", Long. 1° 30' 51".

*Account of Strata sunk through below the Low Main Seam, Wardley
Colliery, 12 chains East of North Follingsby
Farm House, 1901.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dark seggar-clay ...	0	0	9				Brought forward	3	5	10	16	5	0
Grey metal ...	1	4	6				Grey stone, in thin layers ...	0	2	0			
Blue stone ...	0	4	3				Blue stone ...	0	2	0			
Bluestone, with iron- stone girdles ...	0	5	0				Black stone, with ironstone bands ...	1	5	4			
White post ...	0	2	6				Seggar-clay ...	0	5	0			
Bluestone, with iron- stone bands ...	0	2	4				Blue stone, with iron- stone bands ...	0	2	9			
White post ...	0	3	4				COAL ...	0	0	3			
Blue stone ...	0	2	0								7	5	2
Grey metal ...	2	2	2				Seggar-clay ...	0	3	0			
Bluestone, with iron- stone bands ...	1	0	3				Bluestone, with iron- stone bands ...	0	4	0			
Black stone ...	0	2	6				Grey metal ...	1	5	0			
<i>Hutton Seam—</i>							Bastard post... ..	0	5	1			
COAL ...	1	0	0	9	5	7	Whin ...	0	1	0			
Mild seggar-clay ...	0	1	6				Bastard post... ..	0	5	3			
Blue stone ...	0	5	0				Blue stone ...	0	1	8			
Grey post ...	0	1	0				Grey post ...	0	1	2			
Bluestone, with iron- stone bands ...	3	5	0				Blue stone ...	0	0	6			
White post, with water ...	1	4	4				Grey metal ...	0	4	0			
COAL ...	0	0	7	6	5	5	Bluestone, with iron- stone girdles ...	0	5	0			
Seggar-clay ...	0	0	7				Blue stone ...	0	2	0			
White post ...	1	1	3				Brat ...	0	0	3			
Bluestone, with iron- stone bands ...	1	2	0				<i>Beaumont Seam—</i>						
Post girdles and blue stone ...	0	4	0				COAL ...	Ft. In.					
Blue stone ...	0	4	0				Seggar-clay ...	3	1				
							COAL ...	1	0				
Carried forward	3	5	10	16	5	0			0	5	4		
											8	1	3
							Total ...	32	5	5			

No. 3,042.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 13 of Ordnance Map. Lat. $54^{\circ} 53' 37''$, Long. $1^{\circ} 29' 57''$.*Account of Strata passed through in a Bore-hole at Washington Chemical Works,
by Mr. William Coulson, Jun., April, 1845.*

Approximate surface-level 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced ground ...	0	5	6				Brought forward	8	0	2			
Brown clay ...	0	2	0				Black stone and coal	0	1	2			
Sand, with a little water ...	1	1	0				Coarse sand, mixed with clay, and water ...	2	0	0			
Fine brown clay ...	1	2	7				Gravel and sand ...	1	3	8			
Fine sand, with thin layers of clay ...	1	1	5				Brown freestone rubble ...	0	2	6			
Strong brown clay ...	0	4	7				Clay rubble ...	1	5	$3\frac{1}{2}$			
Black stony clay ...	0	1	0				Fire-clay ...	0	1	0			
Small gravel ...	0	1	3								14	1	$9\frac{1}{2}$
Loam and sand ...	1	4	10										
Carried forward	8	0	2				Total ...				14	1	$9\frac{1}{2}$

No. 3,043.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat. $54^{\circ} 54' 38''$, Long. $1^{\circ} 31' 40''$.*Account of Strata sunk through in the F Pit, Washington Colliery.*

Approximate surface-level 246 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Cement walling	... 11	4	0			
Metal tubing	... 8	4	0			
Cement walling	... 6	4	3			
Post	... 14	1	6			
Metal tubing	... 15	1	6			
Grey metal and post	12	2	0			
<i>Five-Quarter Seam—</i>						
COAL	... 0	1	6			
				69	0	9
Blue metal	... 9	3	0			
<i>Main Coal Seam—</i>						
	Ft.	In.				
COAL, top	2	11				
Seggar - clay	0	9				
COAL, foul	0	7				
COAL, kirv-						
ing	... 1	2 $\frac{1}{4}$				
Stone	... 0	2				
COAL, bot-						
tom	... 2	6 $\frac{3}{4}$				
				1	2	2 $\frac{1}{4}$
						10 5 2 $\frac{1}{4}$
Stone	... 8	3	2			
<i>Maudlin Seam—</i>						
	Ft.	In.				
COAL, top	2	8				
COAL, grey	0	2				
Car. forward	2	10	8 3 2	79	5	11 $\frac{1}{4}$

	Ft.	In.	Fs.	Ft.	In.
Brot. forward	2	10	8 3 2	79	5 11 $\frac{1}{4}$
Splint	... 0	2 $\frac{1}{2}$			
COAL, bot-					
tom	... 1	7			
				0	4 7 $\frac{1}{2}$
					9 1 9 $\frac{1}{2}$
Stone and walling	... 10	4	0		
<i>Low Main Seam—</i>					
	Ft.	In.			
COAL	... 0	4			
Stone	... 1	0			
COAL	... 1	2			
Splint	... 0	2			
COAL	... 1	8			
Stone	... 0	0 $\frac{3}{4}$			
COAL	... 0	3			
				0	4 7 $\frac{3}{4}$
					11 2 7 $\frac{3}{4}$
Stone	... 10	1	0		
<i>Hutton Seam—</i>					
	Ft.	In.			
Cannel	... 0	1			
COAL	... 3	8			
				0	3 9
					10 4 9
Total	... 111	3	1 $\frac{1}{2}$		

No. 3,044.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 54' 37", Long. 1° 31' 41".

Account of Strata sunk through in a Staple below the Hutton Seam in the F Pit, Washington Colliery.—Supplementary to No. 3,043.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Depth at shaft from surface to bottom of <i>Hutton Seam</i> ...		111	3	1½			Brought forward	1	0	0	129	3	7½			
Seggar-clay and bottom coal ...	0	3	6				Blue metal ...	1	4	0						
				0	3	6	Post ...	0	1	0						
Blue metal, with ironstone balls ...	0	1	6				Blue metal ...	0	2	10						
Blue metal ...	0	3	0				Blue metal, with thin layers of post	0	3	1½						
Post ...	0	1	3				<i>Harvey Seam</i> —									
Blue metal ...	0	3	3				COAL ...	0	2	0½						
Hard post ...	0	3	4								4	1	0			
COAL, cannell ...	0	0	8				Seggar-clay, with ironstone balls ...	0	4	0						
				2	1	0	Blue metal ...	1	0	0						
Dark blue shale ...	1	0	0				Blue metal, with thin post panels...	3	2	7						
Hard post ...	0	3	0				COAL ...	0	1	3						
Blue metal ...	0	3	4								5	1	10			
Post ...	0	1	9				Grey post ...	0	3	10						
Blue metal ...	1	3	6				COAL ...	0	1	0						
Hard post ...	2	4	0								0	4	10			
Blue metal ...	0	3	0				Post ...	1	0	0						
Post ...	0	2	0				Blue metal ...	0	4	0						
COAL ...	0	1	2				<i>Busty Seam</i> —									
				7	3	9	COAL ...	0	11¾							
Blue metal, with thin layers of post	2	2	9				Band ...	0	8¾							
Blue metal ...	1	0	6				COAL ...	0	3¼							
Post ...	0	1	0				Band ...	0	2¼							
Blue metal ...	0	0	6				COAL ...	1	4¼							
Post ...	0	1	0							0	3	5½				
Dark blue metal ...	3	4	0										2	1	5½	
COAL ...	0	0	6				Seggar-clay and post panels ...	1	2	6						
				7	4	3	COAL ...	0	0	7						
Blue metal ...	0	4	0								1	3	1			
Hard post ...	0	2	0													
Carried forward	1	0	0	129	3	7½	Total ...				143	3	10			

No. 3,045.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 53' 57", Long. 1° 31' 4".

Account of Strata sunk through in the Glebe Pit, Washington Colliery.

Approximate surface-level 190 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow sand ...	9	0	0				Brought forward				18	5	0
Quicksand ...	6	0	0				Yellow freestone ...	1	0	0			
Boulder-clay ...	3	5	0				White post ...	3	0	0			
				18	5	0	Leafy grey post ...	0	4	9			
Carried forward				18	5	0	Carried forward	4	4	9	18	5	0

No. 3,045.—WASHINGTON.—CONTINUED.

Brought forward						Brought forward							
	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
COAL ...	...	0	2	0			Dark grey post, with	0	1	2	42	1	1
				5	0	9	partings ...	1	1	8½			
Seggar-clay ...	0	1	0½				Dark grey and white						
Post band ...	0	0	4				post ...	0	1	6½			
Blue metal ...	2	0	0				Dark grey post ...	0	0	9			
COAL ...	...	0	0	11			White post, with						
				2	2	3½	partings ...	2	5	3½			
Seggar-clay ...	0	3	6				Blue metal ...	0	3	6			
Iron band ...	0	0	3				COAL ...	...	0	0	4¾		
Seggar-clay ...	0	0	9								5	2	4
Blue metal ...	0	2	11				Dark grey post, with						
Iron band ...	0	0	2				partings ...	1	2	6			
Blue metal ...	0	2	5				Strong grey metal,						
COAL ...	...	0	1	4			with post girdles	7	3	5½			
				1	5	4	Grey metal ...	0	2	5			
Black stone ...	0	0	4				Black shale ...	0	0	2			
Seggar-clay ...	0	3	0				COAL ...	...	0	2	0		
Blue metal ...	0	1	8								9	4	6½
Post band ...	0	0	6½				Black shale ...	0	1	4			
Blue metal ...	0	3	3				Seggar-clay ...	0	2	6			
Iron band ...	0	0	1½				Grey metal, with post						
Blue metal ...	0	5	10½				girdles ...	6	5	10			
	Ft.	In.					White post, with						
COAL ...	1	7					metal partings ...	9	1	2½			
Seggar-clay ...	2	10					Blue metal ...	0	1	0			
COAL ...	1	0					COAL ...	...	0	2	0		
			0	5	5						17	1	10½
				3	2	2½	Seggar-clay ...	0	1	2			
White post ...	0	3	4				Grey metal, post gir-						
Blue metal ...	0	0	4				dles and ironstone	3	1	3			
White post ...	0	3	0				Blue metal ...	1	0	0			
Grey post ...	0	1	10				COAL ...	...	0	1	10		
White post ...	0	2	1								4	4	3
Grey post ...	0	3	1				Seggar-clay ...	0	2	9			
COAL ...	...	0	1	9			Grey metal and iron-						
				2	3	5	stone ...	2	4	0			
Dark seggar-clay ...	0	1	10				COAL ...	...	0	0	9		
Light seggar-clay ...	0	2	5								3	1	6
White post ...	0	1	6				Grey metal ...	1	4	0			
Blue metal ...	0	0	3				Black stone ...	0	0	3			
Blue post ...	0	1	6½				Blue metal ...	0	2	9			
Light seggar-clay ...	0	3	0				Strong grey post ...	0	3	0			
Blue metal ...	1	3	4½				Grey metal, with						
Iron band ...	0	0	2½				hard post girdles	5	4	5			
Blue metal ...	2	2	5½				Blue metal, with						
COAL ...	...	0	0	6			ironstone girdles	1	5	0			
				5	5	1	Black stone ...	0	0	3			
Seggar-clay ...	0	1	5				<i>Main Coal Seam—</i>						
White metal ...	0	0	5					Ft.	In.				
Grey post ...	0	2	5				COAL ...	1	11½				
Blue metal ...	0	0	7½				Band ...	0	4½				
White metal ...	0	2	8½				COAL ...	1	6½				
Grey post ...	0	0	1½				Band ...	0	1½				
White metal ...	0	1	9½				COAL ...	2	6				
Blue metal ...	0	2	8							1	0	5¾	
Black metal...	0	0	5								11	2	1¾
COAL ...	...	0	0	5			Bastard post ...	0	4	3			
				2	1	0	Grey metal ...	0	5	0			
Seggar-clay ...	0	1	2				Dark blue metal ...	0	5	2			
Carried forward	0	1	2	42	1	1	Carried forward	2	2	5	93	5	8¾

No. 3,045.—WASHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	5	93	5	8 $\frac{3}{4}$	Brought forward	1	5	7	117	4	2 $\frac{3}{4}$
Strong white post ...	0	2	6				Black stone ...	0	1	4			
Blue metal, with iron							Blue metal, with post						
girdles ...	6	1	6				panels ...	2	3	0			
COAL and metal,							Grey post ...	0	2	9			
mixed ...	0	0	3				Blue metal ...	0	4	1			
<i>Maudlin Seam</i> —							Grey post ...	0	1	6			
COAL , top	2	10					Blue metal ...	0	1	5			
Splint ...	0	2					Grey post ...	0	2	7			
COAL ...	1	7					Blue metal ...	1	2	0			
Band ...	0	1 $\frac{1}{2}$					<i>Hutton Seam</i> —						
COAL ...	0	11					COAL ...	0	3	6			
	0	5	7 $\frac{1}{2}$								8	3	9
			10	0	3 $\frac{1}{2}$		Seggar-clay ...	0	2	0			
Black stone ...	0	0	3				COAL ...	0	1	6			
Seggar-clay ...	0	0	11								0	3	6
White post ...	0	4	5				Blue metal ...	0	4	0			
Blue metal, with iron							Grey metal, with post						
girdles ...	3	2	6 $\frac{1}{2}$				girdles ...	2	0	0			
							Black stone ...	0	2	3			
							Blue metal ...	2	2	3			
							Blue metal, with post						
COAL , cannel	1	9					panels ...	0	5	0			
Band ...	0	10					Very hard white post	0	4	0			
COAL , cannel	0	9					Grey metal ...	0	3	0			
	0	3	4				COAL ...	0	1	0			
				4	5	5 $\frac{1}{2}$					7	3	6
Blue metal ...	1	0	4				Blue metal, with iron						
COAL ...	0	1	2				girdles ...	6	4	4			
				1	1	6	Black stone ...	0	2	0			
Bastard seggar-clay	0	1	6				COAL ...	0	0	8			
White post, with											7	1	0
partings ...	3	0	4				Seggar-clay ...	0	3	0			
Blue metal ...	0	3	1				Grey metal ...	2	3	7			
<i>Low Main Seam</i> —							Grey metal, with whin						
COAL ...	0	3	3				panels ...	0	3	10			
				4	2	2	Black stone ...	0	0	2			
White post ...	2	3	4				<i>Harvey Seam</i> —						
Blue metal ...	0	3	7				COAL ...	0	1	3			
COAL ...	0	0	2								3	5	10
				3	1	1	Bastard seggar-clay	0	3	0			
Bastard seggar-clay	0	3	1								0	3	0
Grey post ...	0	4	8										
Blue metal ...	0	3	10										
Carried forward	1	5	7	117	4	2 $\frac{3}{4}$	Total ...	...	146	0	9 $\frac{3}{4}$		

No. 3,046.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 54' 6", Long. 1° 30' 46".

Account of Strata sunk through in a Staple below the Main Coal Seam, about 300 yards East of the Shaft, in the Glebe Pit, Washington Colliery.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth at shaft from surface to bottom of <i>Main Coal Seam</i>							Brought forward				93	5	8 $\frac{3}{4}$
				93	5	8 $\frac{3}{4}$	Thill stone ...	0	3	0			
							Post ...	0	3	9			
Carried forward				93	5	8 $\frac{3}{4}$	Carried forward	1	0	9	93	5	8 $\frac{3}{4}$

No. 3,046.—WASHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	0	9	93	5	8 $\frac{3}{4}$	Brought forward	1	0	4	105	2	0 $\frac{3}{4}$
Blue metal, with iron							Blue metal ...	1	1	6			
girdles ...	0	2	9				Whin girdle...	0	0	6			
Post girdle ...	0	1	4				Blue metal ...	2	0	0			
Blue metal, with iron							COAL , cannell	0	0	10			
girdles ...	1	2	11				Blue metal ...	0	1	10			
Post girdle ...	0	0	4				Whin girdle...	0	0	4			
Grey metal ...	0	1	7				Blue metal ...	0	1	5			
Post girdle ...	0	1	11				COAL , cannell	0	0	6			
Blue metal, with iron							Post ...	0	3	0			
girdles ...	1	3	10				Blue metal ...	0	1	8			
Strong grey metal ...	0	2	0				COAL ...	0	1	8			
Post girdle ...	0	1	5								6	1	7
Blue metal, with post							Seggar-clay ...	0	2	6			
girdles ...	0	4	7				Post ...	2	2	6			
Post girdle ...	0	1	9				Blue metal ...	0	4	2			
Whin girdle...	0	0	9				<i>Low Main Seam—</i>						
Blue metal ...	0	0	7				COAL ...	0	2	11			
Grey metal ...	0	1	9								4	0	1
Blue metal ...	0	0	11				Thill stone ...	0	1	6			
Post girdle ...	0	0	9				Post ...	1	3	0			
Blue metal ...	0	0	8				Whin ...	0	3	0			
Post girdle ...	0	0	5				Post ...	1	1	0			
Grey metal ...	0	0	9				Blue metal ...	0	1	6			
Post girdle ...	0	0	7				COAL ...	0	0	2			
Blue metal, with post							Seggar-clay ...	0	0	8			
girdles ...	1	4	8				Post ...	1	3	0			
Post girdle ...	0	0	7				Blue metal ...	0	1	4			
Blue metal ...	0	1	0				Post ...	2	2	2			
<i>Maudlin Seam—</i>							Grey metal ...	0	0	9			
Brat ...	Ft.	In.					Strong post ...	0	3	6			
COAL ...	0	2					Grey metal ...	0	0	6			
Splint ...	0	5					Post ...	0	3	10			
COAL ...	2	6					Blue metal, with gir-						
COAL , bot-							dles ...	1	1	0			
tom ...	0	11					<i>Hutton Seam—</i>						
			0	5	9		COAL , splint	Ft.	In.				
					11	2	COAL ...	0	1 $\frac{1}{2}$				
Thill stone ...	0	1	4					3	2 $\frac{1}{2}$				
Post ...	0	5	0						0	3	4		
											11	0	3
Carried forward	1	0	4	105	2	0 $\frac{3}{4}$	Total ...				126	3	11 $\frac{3}{4}$

No. 3,047.—WEETSLADE.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 34", Long. 1° 35' 39".

*Account of Strata sunk through in the Lizzie Pit, Weetslade Colliery.
Commenced August 6th, 1900.*

Approximate surface-level 216 feet above sea (Ordnance datum):

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brickwork ...	4	2	1				Brought forward	0	2	7	13	3	7
Blue stone ...	9	0	8				Post ...	10	5	6			
COAL ...	0	0	10				COAL ...	0	0	10			
				13	3	7					11	2	11
Seggar-clay ...	0	2	7				Seggar-clay ...	0	2	3			
Carried forward	0	2	7	13	3	7	Carried forward	0	2	3	25	0	6

No. 3,047.—WEETSLADE.—CONTINUED.

Brought forward	0	2	3	25	0	6	Brought forward	0	1	3	89	4	9
Blue stone ...	1	5	0				Grey metal ...	1	2	0			
COAL ...	0	0	6				Seggar-clay ...	0	2	0			
Seggar-clay ...	0	1	5				White post ...	0	1	0			
Grey metal ...	2	4	0				Blue stone ...	0	3	0			
Grey post ...	0	5	0				COAL, bastard ...	0	3	0			
White post ...	5	0	0								3	0	3
Blue stone ...	0	2	0				Seggar-clay ...	0	2	0			
COAL ...	0	0	6				Grey metal, with						
Seggar-clay ...	0	1	4				whin boulders ...	5	2	10			
Bastard seggar-clay,							COAL, cannell ...	0	0	6			
with 1,122 gallons							Blue metal ...	0	4	4			
of water per minute	0	2	0				<i>Grey Seam—</i>						
Grey post ...	3	0	5				COAL ...	Ft. In.					
Blue stone ...	0	0	9				... 0 3						
Grey metal ...	0	5	0				Band ... 0 1						
Black stone ...	1	5	4				COAL ... 0 9						
COAL ...	0	0	7						0	1	1		
				18	0	1					6	4	9
Seggar-clay ...	0	0	9				Blue stone ...	0	5	11			
Panel white post,							Strong whin...	0	1	3			
with whin...	0	4	5				White post stone ...	3	2	1			
White post ...	2	0	0				Grey metal, with post						
Blue stone ...	0	5	6				girdles ...	3	1	4			
Whin ...	0	2	3				White post, with						
Strong grey post ...	4	0	5				whin ...	4	3	8			
Grey metal ...	0	5	4				Grey metal ...	4	1	5			
Black stone and coal,							White post, with						
mixed ...	0	3	7				partings ...	5	4	7			
White post ...	2	1	2				Strong blue metal ...	0	4	0			
Black stone ...	0	0	2				<i>Yard Coal Seam—</i>						
							COAL ...	0	3	0			
COAL ...	Ft. In.									23	3	3	
... 0 8							Seggar-clay ...	1	1	0			
Band ...	0 7						COAL ...	0	0	9			
COAL ...	1 4										1	1	9
Black band ...	0 2						Leafy post ...	2	3	3			
COAL ...	0 7						Grey metal ...	1	2	9			
		0	3	4			Blue metal ...	2	0	6			
				12	2	11	<i>Bensham Seam—</i>						
Grey metal ...	2	5	7				COAL, with						
COAL ...	0	0	6				dant threads 3 1						
White post, with							Band ... 1 0						
water ...	4	5	4				COAL, clean 2 5						
Blue metal ...	2	0	9				COAL, can-						
COAL ...	0	3	6				nel ... 0 9						
				10	3	8			1	1	3		
Seggar-clay ...	0	1	5								7	1	9
Strong white post ...	4	1	0				Blue and grey metal	5	1	0			
Post stone ...	6	1	0				Post ...	8	0	0			
Grey metal ...	1	3	0				Blue metal ...	1	1	0			
Post, with whin ...	3	1	0				<i>Low Main Seam—</i>						
Black shale ...	6	4	0				COAL ...	0	3	0			
COAL ...	0	1	2							14	5	0	
				22	0	7	Post ...	2	0	9			
Seggar-clay ...	0	4	6				Grey metal ...	1	3	6			
<i>High Main Seam—</i>							COAL ...	0	0	7			
COAL ...	0	4	6								3	4	10
Black brat ...	0	1	3										
							Carried forward				150	2	4
Carried forward	0	1	3	89	4	9							

No. 3,047.—WEETSLADE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			150	2	4		Brought forward	18	1	0	156	2	11
Grey metal ...	...	5	5	8			Post ...	...	13	2	5		
COAL ...	...	0	0	11			Grey metal ...	...	1	2	0		
				6	0	7	<i>Beaumont Seam—</i>						
Seggar-clay ...	...	0	1	0			COAL ...	...	0	2	8		
Grey metal ...	...	4	5	0							33	2	1
Strong post ...	...	10	1	0			Grey metal ...	...	0	1	1		
Grey metal ...	...	3	0	0							0	1	1
Carried forward	18	1	0	156	2	11	Total ...	...	190	0	1		

No. 3,048.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 7", Long. 1° 41' 18".

Account of Strata sunk through in the New Pit, West Stanley Colliery.
Commenced August 15th, 1876.

Approximate surface-level 750 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	1	0	0			Brought forward	4	5	8	26	2	6
Soil and gravelly clay	...	1	1	0			COAL ...	...	0	0	4		
Loamy sand, with a little water	...	0	2	0			Seggar-clay, mixed with post ...	...	0	2	6		
Blue clay	0	3	0			Brown post ...	...	6	4	0		
Freestone rubble	0	3	0			<i>Shield Row Seam—</i>						
				3	3	0	COAL ...	...	1	10			
Yellow freestone	3	3	0			Seggar - clay band ...	...	0	6			
COAL	0	1	3			COAL ...	...	4	7			
				3	4	3			1	0	11		
Seggar-clay	0	4	9							13	1	5
Blue metal	2	0	0			Seggar-clay ...	...	1	1	1		
Grey metal	1	0	0			Hard white post ...	...	1	3	0		
Brown post	1	1	2			Grey metal ...	...	2	1	6		
Black shale	0	1	4			COAL ...	...	0	0	6		
Seggar-clay	0	4	6			Strong seggar-clay...	...	0	3	0		
Blue metal	0	2	0			Strong grey metal ...	...	1	3	0		
Brown post	3	4	0			Strong jointy post, mixed with whin...	...	1	2	6		
Blue metal	0	2	3			Grey metal ...	...	4	3	0		
COAL	0	2	3			<i>Five-Quarter Seam—</i>						
				10	4	3	COAL ...	...	0	4	0		
Seggar-clay	0	2	6							13	3	7
Blue metal	0	4	0			Seggar-clay ..	...	0	4	0		
Strong white post	1	0	0			Blue metal ...	...	2	0	0		
Grey metal	0	2	6			Strong grey metal ...	...	4	0	6		
Blue metal	5	3	6			Blue metal ...	...	1	5	6		
COAL	0	2	6			<i>Brass Thill Seam—</i>						
				8	3	0	COAL ...	...	0	5	0		
Seggar-clay	0	4	6							9	3	0
Strong grey leafy post	1	1	6			Carried forward				62	4	6
Blue metal	2	5	8									
Carried forward	4	5	8	26	2	6							

No. 3,048.—WEST STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				62	4	6	Brought forward	6	4	3	124	0	5
Hard posty seggar-clay ...	0	3	0				White post ...	1	3	0			
White post ...	1	3	0				Grey metal, with post girdles ...	1	0	0			
Strong grey metal ...	1	3	0				<i>Towneley Main Seam—</i>						
White post ...	0	3	0					Ft. In.					
Grey metal ...	4	0	0				COAL ...	3	3				
White post, with metal partings ...	2	2	6				Seggar - clay band ...	0	4				
Strong grey metal ...	1	1	0				COAL, canal ...	0	10				
White post ...	1	1	0						0	4	5		
Grey metal ...	0	1	6								9	5	8
Hard white post ...	4	4	6				Grey post ...	1	1	0			
Strong grey metal ...	0	4	6				White post, with partings ...	3	2	4			
Strong white post ...	3	0	0				<i>Busty Seam—</i>						
<i>Maudlin Seam—</i>								Ft. In.					
COAL ...	0	1	6				COAL, good	0	6				
				21	4	6	Black shale band ...	0	9				
Strong white post, mixed with whin...	7	3	0				COAL ...	3	4				
Blue metal ...	1	0	0				Seggar - clay	2	6				
<i>Low Main Seam—</i>							COAL ...	3	0				
COAL ...	0	4	6						1	4	1		
				9	1	6					6	1	5
Strong seggar-clay...	0	1	8				Seggar-clay ...	0	4	0			
White post ...	0	4	4				Grey metal, mixed with ironstone ...	3	3	6			
Blue metal, with iron-stone girdles ...	2	0	0							4	1	6	
Grey metal ...	0	5	0										
<i>Hutton Seam—</i>													
COAL ...	0	3	9										
				4	2	9							
Seggar-clay ...	0	3	0								144	3	0
Strong grey metal ...	5	0	0				<i>Sunk further in 1903:—</i>						
Strong white post ...	10	1	0				Light grey metal ...	0	4	6			
Dark brown post ...	2	0	0				Light grey post, with ironstone girdles ...	2	1	0			
Whin girdle...	0	1	0				Dark grey post ...	3	1	0			
Dark brown post ...	2	2	0				Strong light grey post ...	2	4	2			
Blue metal ...	2	0	6				COAL ...	0	1	2			
COAL ...	0	0	8							8	5	10	
Seggar-clay ...	0	5	4				Light grey metal, with post girdles...	3	4	0½			
COAL ...	0	0	8				Light grey post ...	1	1	6			
Black stone ...	0	2	0				Dark grey metal ...	0	1	8			
White post ...	0	3	6				<i>Brockwell Seam: upper portion—</i>						
Blue metal ...	0	3	0				COAL ...	0	1	4			
Seggar-clay ...	0	3	6							5	2	6½	
Post girdle ...	0	1	0				Grey metal, with post partings ...	2	1	0			
COAL ...	0	2	0				Dark grey metal, with ironstone girdles ...	0	4	6			
				25	5	2	Black shale ...	0	1	4			
Seggar-clay ...	0	2	6										
Grey metal ...	1	5	0										
Seggar-clay ...	0	1	1										
Grey metal ...	1	0	0										
Iron girdle ...	0	1	0										
Grey metal ...	1	4	1										
COAL ...	0	0	6										
Dark brown post ...	1	0	0										
Soft seggar-clay ...	0	2	1										
Carried forward	6	4	3	124	0	5	Carried forward	3	0	10	158	5	4½

No. 3,048.—WEST STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	10	158	5	4½
<i>Brockwell Seam</i> : lower portion—						
COAL, good	Ft.	In.				
COAL, cannel	1	10				
...	0	2				
				0	2	0
				3	2	10
Dark grey metal ...	0	2	3			
Hard girdles	...	0	0	4		
Dark grey metal	...	0	0	7		
COAL	...	0	0	5		
Grey metal ...	...	0	0	4		
White post ...	...	0	3	3		
Dark grey post	...	2	2	6		
Carried forward	3	3	8	162	2	2½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	8	162	2	2½
Dark grey metal ...	1	4	3			
Strong light grey post	...	1	5	9		
Dark grey metal	...	0	0	1		
Supposed <i>Victoria Seam</i> —						
COAL	Ft.	In.				
Band	...	1	5			
COAL	...	0	4½			
	...	0	3½			
				0	2	1
				7	3	10
Dark grey metal ...	0	1	0			
Light grey post, into	2	5	0			
				3	0	0
Total ...				173	0	0½

No. 3,049.—WEST STANLEY.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 2 Bore-hole below the Busty Seam, on the Second West Travelling Way, about 1½ miles from the Shaft, West Stanley Colliery. Commenced March 3rd, 1896.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Light grey metal ...	0	4	9				Brought forward	0	0	2	12	3	9	
Light grey post ...	3	1	6				Dark grey metal ...	0	2	5				
Light grey metal ...	0	4	3				Light grey post ...	3	5	4				
Light grey post ...	1	4	0				Dark grey metal ...	0	1	0				
Light grey metal ...	0	1	9											
COAL, strong	...	0	1	2			COAL	...	0	4½				
				6	5	5	COAL, with thin dant							
Light grey metal, with post girdles...	3	5	2				partings ...	1	2					
Light grey post ...	1	2	4				COAL, strong	0	9½					
Dark grey metal ...	0	1	4								0	2	4	
Black stone ...	0	0	1									4	5	3
							Black stone	0	0	3			
COAL	...	0	3				Dark grey metal ...	0	3	5				
COAL, with dant partings	0	2					Black stone	0	0	3			
COAL	...	1	0				COAL	...	0	0	2			
				0	1	5	Dark grey post ...	0	4	6				
						5	Dark grey shale ...	0	0	5				
Black stone ...	...	0	0	2		4					1	3	0
Carried forward	0	0	2	12	3	9	Total ...				19	0	0	

No. 3,050.—WESTOE.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. _____, Long. _____.

*Account of Strata passed through in a Bore-hole in a Field adjoining the
West side of the Cemetery at Westoe, by Mr. William Coulson.
Commenced August 16th, 1873.*

Approximate surface-level about 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	14	2	1			
Strong brown clay ...	2	0	6				Loamy clay	0	2	9			
Loamy clay, with sandy partings, and a little water near the bottom...	1	3	9				Sand, with a little water	0	3	2			
Loamy sand, with thin beds of clay...	8	0	7				Hard red stony clay	0	1	2	15	3	2
Strong dark stony clay	0	3	5				Red sandstone ...	0	5	2			
Limestone: very much broken ...	0	3	10				Very soft red metal	0	2	1			
Strong brown clay: rather sandy ...	1	0	6				Black metal, with seares of coal ...	0	1	3			
Carried forward	14	2	1				Soft red metal ...	0	1	6			
							Red sandstone, with a little water ...	2	2	6	4	0	6
							Total	19	3	8			

No. 3,051.—WHITBURN.

TOWNSHIP OF WHITBURN, DURHAM.

Sheet 8 of Ordnance Map. Lat. 54° 57' 20", Long. 1° 21' 18".

*Account of Strata passed through in a Bore-hole, about 1½ miles North of
Whitburn, ¼ mile South of Souther Point Lighthouse, and East of Hope
House Farm, for the Whitburn Coal Company, by Mr. William
Coulson. Commenced July 14th, 1873.*

Approximate surface-level 30 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	8	4	11	0	5	0
Brown clay: rather sandy	0	4	0				Strong light coloured limestone, with a 6 inches soft parting in the middle ...	5	1	5			
Soft marl	0	5	6	0	5	0	Light coloured lime- stone: got water 15 fathoms 1 foot from the surface ...	0	5	8			
Strong limestone ...	0	3	0				Light coloured lime- stone, with a 6 inches soft parting, and water at 18 fathoms 5 feet ...	3	3	6			
Soft limestone ...	1	0	0				Mild yellow lime- stone	1	2	9			
Strong limestone ...	0	3	3				Soft yellow marl ...	2	2	7			
Soft marl	0	2	4				Strong light coloured limestone	1	3	3			
Strong yellow lime- stone	1	2	6				Soft marl, with a hard girdle, and water	0	2	8			
Light coloured lime- stone	1	1	0				Carried forward	24	2	9	0	5	0
Mild yellow lime- stone, with hard girdles	0	4	0										
Hard light coloured limestone	0	1	8										
Mild yellow lime- stone	1	5	8										
Carried forward	8	4	11	0	5	0							

No. 3,051.—WHITBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	24	2	9	0	5	0	Brought forward	34	3	10	0	5	0
Mild light coloured limestone ...	3	4	7				Soft limestone ...	0	2	8			
Soft limestone ...	0	1	8				Mild light coloured limestone ...	2	5	5			
Strong light limestone, with a 6 inches gullet, with water ...	6	0	10				Hard limestone ...	1	0	8			
							Mild limestone ...	1	0	7			
											40	1	2
Carried forward	34	3	10	0	5	0	Total ...				41	0	2

No. 3,052.—WHITBURN.

TOWNSHIP OF WHITBURN, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 7", Long. 1° 21' 48".

Account of Strata sunk and bored through in No. 1 South Pit, Whitburn Colliery, South Shields. Commenced July 14th, 1874.

Approximate surface-level 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	38	1	11	0	1	0
Soil	0	1	0				Soft light marl, with strong girdles ...	1	4	6			
				0	1	0	Strong limestone, with hard girdles	1	0	1			
Hard limestone ...	3	0	0				Strong yellow limestone, with very hard girdles, soft partings, and a little water ...	1	3	0			
Mild limestone ...	1	3	0				Hard limestone, with soft partings, and water: stone lies in panels about 4 feet thick ...	3	4	4			
Hard limestone ...	6	0	8				Strong limestone, with soft partings, and water ...	1	5	10			
Mild limestone ...	3	2	0				Mild limestone, with a thin dark parting	0	3	0			
Strong limestone ...	0	2	0				Hard grey limestone, with soft parting, and water...	1	4	7			
Soft yellow marl ...	0	2	10				Hard grey limestone	0	3	1½			
Strong platy marl...	0	3	7				Mild grey limestone	0	0	5½			
Soft yellow marl ...	0	3	10				Soft dark partings, with water ...	0	0	6			
Very hard girdle ...	0	0	6				Hard grey limestone	0	0	10			
Strong brown limestone ...	1	1	7				Dark metal parting	0	0	2			
Mild light coloured limestone ...	3	2	2				Strong grey limestone, with hard panels, and water	1	1	3			
Strong marl, inclining to limestone ...	5	5	0										
Soft yellow limestone, with hard girdle ...	3	1	5										
Hard limestone, with hard girdle ...	1	0	9										
Open gullet and water ...	0	0	4										
Strong limestone, with hard girdle...	4	0	6										
Soft light limestone	0	5	6										
Strong limestone, with hard girdles and a soft parting, and a 5 feet gullet	2	1	4										
Gullet	0	0	11										
Carried forward	38	1	11	0	1	0	Carried forward	52	3	7	0	1	0

No. 3,052.—WHITBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	52	3	7	0	1	0	Brought forward	5	1	4	68	3	1
Grey sandy lime- stone ...	2	3	3				COAL ...						
Hard grey sandy limestone, with soft dark partings	1	0	6				Light thill stone ...						
Very hard sandy limestone, with thin metal part- ings, and water ...	0	1	8				Dark thill stone ...						
				56	3	0	COAL , splint	1	6				
Very hard sandstone	0	0	6							0	5	10	
Dark shale parting...	0	0	5				Strong thill stone ...	0	2	2			
Strong sandstone ...	0	0	9				Strong grey metal, with ironstone gir- dles ...	8	0	0			
Light grey shale ...	0	0	8				White post ...	1	3	0			
Red shale, inclining to post ...	0	5	3				Blue metal ...	0	0	10			
Dark metal, tinged with red ...	0	3	5				Black stone and splint coal...	0	2	6			
Strong red and grey shale, with post girdles, and water	2	0	11				Thill stone, with ironstone nodules	0	1	10			
Grey shale, with post girdles ...	0	2	10				Black stone and splint coal...	0	1	4			
Very dark shale ...	0	0	10				Thill stone ...	1	0	6			
Strong grey shale, with post girdles, and a 1 inch coal pipe ...	1	1	9				Light grey metal, with ironstone balls	1	2	0			
Very dark grey shale	0	2	7				Grey metal and post, mixed ...	0	4	6			
Strong grey post ...	1	5	6				Dark grey metal, with post girdles...	2	3	8			
Dark metal ...	0	0	3½				Blue metal ...	0	0	10			
Post girdle ...	0	0	4				COAL ...	0	1	1			
Dark metal ...	0	0	7							17	0	3	
COAL ...	0	0	9½				Black thill stone, with ironstone balls	1	0	9			
				8	3	5	Dark grey metal ...	0	2	3			
Light thill stone ...	0	1	7				Dark brown whin girdle ...	0	0	9			
Dark shale, with ironstone balls ...	0	1	8				Dark grey metal ...	0	5	3			
Dark grey metal, with ironstone balls ...	2	3	4				Strong post girdle ...	0	3	4			
							Grey metal, with ironstone balls ...	0	2	2			
COAL ...	0	1¾					Black stone ...	0	0	6			
Band ...	0	1¾					Soft dark grey metal	1	3	6			
COAL ...	0	5					Strong light grey metal, with post girdle ...	1	2	6			
Black stone and coal, mixed ...	0	5					Soft dark grey metal	0	5	6			
				0	1	1	Black stone ...	0	4	3			
				3	1	8	Grey post girdle ...	0	2	6			
Dark thill stone, with small iron- stone balls...	0	1	8				Blue metal, with ironstone girdle ...	0	2	6			
Dark grey metal ...	0	2	0				Dark grey post and metal, mixed ...	0	3	2			
Black stone and coal, mixed ...	0	2	2				Strong post girdle ...	0	3	2			
Soft dark grey metal	3	1	6				Blue metal ...	0	1	8			
Soft blue metal ...	1	0	0										
							COAL , good... Ft. In.	1	2½				
Carried forward	5	1	4	68	3	1	COAL , brassy, and stone ...	0	3				
							COAL , good...	0	9				
							Car. forward	2	2½	10	1	9	91
										4	6		

No. 3,052.—WHITBURN.—CONTINUED.

	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brot. forward	2	2½	10	1	9	91	4	6	Brought forward	119	5	4			
Blackstone and									Thill stone, with						
dark thill ...	0	11							ironstone balls ...	0	5	0			
COAL, splint,									Black stone, with						
and stone ...	0	7							ironstone balls ...	0	2	3			
Dark thill and									Black stone and						
coal pipes ...	2	1½							coal, with a brass						
COAL, good ...	2	11½							band running						
			1	2	9½				across ...	0	0	8½			
						11	4	6½	COAL ...	0	0	8			
Light thill ...	0	1	0						Thill stone ...	0	0	9			
White post ...	0	1	0						Post girdles and						
Darkly laminated									metal ...	0	5	9			
post ...	0	1	8						Whin girdle ...	0	1	2			
Black metal ...	1	0	4						Post girdle ...	0	1	5			
Light grey metal ...	1	0	9						Metal, with post gir-						
Black stone, with									dles ...	0	4	1			
ironstone girdle ...	0	1	1½						Dark grey metal ...	0	5	8			
COAL ...	0	0	1½						Black stone ...	0	0	4			
Dark thill ...	0	0	6						<i>Five-Quarter Seam—</i>						
Post girdles and															
metal partings ...	2	5	6												
Strong white post ...	3	0	6												
Grey metal, with post															
girdles ...	1	3	6												
White post ...	0	4	3												
Leafy post ...	0	0	9												
<i>Bensham Seam—</i>															
COAL ...	0	10½													
Dant parting	0	0½													
COAL, good	1	0½													
Black stone															
and coal ...	0	5½													
COAL, good	0	8													
COAL, splint	0	1½													
COAL, good	0	7½													
Dant parting	0	0½													
COAL, coarse															
and brassy	1	4													
			0	5	2										
						12	2	2							
Thill stone ...	0	1	4												
Post girdles and															
metal partings ...	0	5	8												
COAL ...	0	0	1½												
Black stone ...	0	0	5												
Dark thill ...	0	1	8												
Grey metal, mixed															
with ironstone ...	1	4	5												
Dark blue metal,															
with ironstone ...	0	1	4½												
<i>Six-Quarter Seam—</i>															
COAL, good	0	7													
COAL, coarse	0	4													
COAL, good	2	2½													
			0	3	1½										
						4	0	1½							
Carried forward	119	5	4						Carried forward	17	5	2	132	4	9½

No. 3,052.—WHITBURN.—CONTINUED.

Brought forward	17	5	2	132	4	9 $\frac{3}{4}$	Brought forward	1	5	4	175	1	4 $\frac{1}{4}$	
Dark grey metal, with post girdles	0	3	0				White post, with a little water	...	5	0	2			
Strong white post ...	0	3	2					Ft.	In.					
White girdle... ..	0	1	7				COAL	...	0	5				
White post girdle ...	0	3	11				Dark thill and black stone	1	11					
Dark leafy post ...	0	2	10				COAL, good...	0	10					
Strong white post ...	0	2	9				Soft band	...	0	1 $\frac{1}{2}$				
Dark leafy post	1	0	8				COAL, good...	0	2 $\frac{1}{2}$					
Dark blue metal ...	1	3	7				COAL, cannel	0	5 $\frac{1}{2}$					
Black stone ...	0	0	8 $\frac{1}{2}$					—	0	3	11 $\frac{1}{2}$	7	3	5 $\frac{1}{2}$
COAL	...	0	0	2			Dark thill ...	...	0	5	2 $\frac{1}{2}$			
Thill stone ...	0	0	10				Brockwell Seam—							
Strong grey post	1	2	2					Ft.	In.					
Strong grey metal, with post girdle ...	2	1	7				COAL, coarse	0	6					
Mild white filtering post	...	4	5	7			Splint band	0	0 $\frac{1}{2}$					
Coarse post ...	0	5	0				COAL, good	0	11 $\frac{1}{2}$					
Hard brown post ...	0	0	8				Splint band	0	2 $\frac{1}{4}$					
Grey metal ...	0	2	0				COAL, good	1	6					
Small post girdles ...	0	1	3					—	0	3	2 $\frac{1}{4}$	1	2	4 $\frac{3}{4}$
Beaumont or Harvey Seam—							Dark thill ...	...	0	2	0			
COAL	Ft.	In.					Post ...	...	1	4	0			
Soft band ...	0	3									2	0	0	
COAL	...	0	2											
	—	0	1	3							186	1	2 $\frac{1}{2}$	
				33	5	10 $\frac{1}{2}$	Bored further:—							
Dark thill, with iron- stone balls...	0	2	7				Post ...	...	12	1	7			
Light grey metal, mixed with iron- stone	...	0	3	6			COAL	...	0	0	8 $\frac{1}{2}$	12	2	3 $\frac{1}{2}$
Black stone ...	0	0	4				Black stone ...	...	0	0	4			
Strong light thill	0	0	10				Thill stone ...	...	0	0	9 $\frac{1}{2}$			
Strong light girdles and metal part- ings	...	1	2	6			Grey metal ...	...	2	0	8			
Strong white post ...	3	0	8				Soft metal ...	...	0	5	1			
COAL	...	0	0	7			COAL	...	0	0	7 $\frac{1}{2}$	3	1	6
Black stone ...	0	0	9				Thill stone ...	...	0	0	9			
Dark thill stone	0	2	8				Post and metal, mixed	...	0	4	0			
Dark grey metal	0	1	4				Blue metal ...	...	0	0	11			
Post girdles and metal partings	...	1	2	6			Black stone ...	...	0	0	4			
Upper Busty Seam—							Thill ...	...	0	1	2			
COAL	Ft.	In.					Post	...	1	3	1			
Black stone	0	10					Black stone ...	...	0	1	0			
COAL	...	0	1				Dark thill ...	...	0	1	8			
Black stone	0	3					Grey metal and post	2	4	9				
COAL	...	0	7				Strong grey post	...	0	1	11			
	—	0	2	5			Mild post	...	0	2	9			
				8	2	8	Post, with whin at bottom	...	7	0	8			
Thill ...	...	0	1	4			Grey post	...	0	0	9			
Grey metal ...	...	0	4	8			Blue metal ...	...	0	0	3			
Post girdles and metal partings	...	0	5	4			Black stone ...	...	0	0	6			
							Dark thill ...	...	0	1	7			
							Soft dark grey metal	1	0	11				
							Light grey metal, mixed with post...	0	4	10				
							Strong post ...	...	1	3	0			
Carried forward	1	5	4	175	1	4 $\frac{1}{4}$	Carried forward	17	4	10	201	5	0	

No. 3,052.—WHITBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	17	4	10	201	5	0	Brought forward	27	1	3	243	5	1
Post	9	1	9				Metal, with post gir-						
Black stone and coal,							dles	0	1	5			
mixed	0	1	2				Grey metal	0	2	6			
				27	1	9	Whin	0	0	4			
Strong thill	0	1	0				Post	0	3	2			
Strong white thill,							Whin	0	1	11			
with whin at bot-							Mild white post ...	0	2	9			
tom	13	3	9				Dark leafy post ...	0	2	0			
Grey metal	0	2	6				Dark grey metal ...	0	2	2			
Dark blue metal ...	0	2	5				Metal, with post gir-						
COAL	0	0	8				dles	0	3	1			
				14	4	4	Whin	0	1	4			
Grey metal	0	2	10				Dark grey metal ...	0	3	0			
Grey metal and post	2	0	0				Grey metal, with post						
Strong post	8	3	5				girdles	1	3	7			
Grey metal and post	2	1	5				Mild post, with red						
Strong post	1	1	3				metal partings ...	1	0	3			
Post and metal,							Strong post	0	2	8			
mixed	0	2	6				Mild white post ...	1	0	1			
Post	0	2	8				Grey metal and dark						
Post and metal ...	0	2	1				post	2	5	9			
Strong post	1	4	2				Strong dark grey						
Grey metal	2	4	11				metal	0	3	7			
Post and metal ...	2	1	6				Strong white post ...	0	3	4			
Mild white post ...	1	1	4				Strong dark grey						
Dark grey metal ...	0	3	5				metal	1	2	4			
White post	1	0	9				Strong white post ...	0	3	9			
Post and metal,											41	2	3
mixed	1	5	0										
Carried forward	27	1	3	243	5	1	Total	285	1	4			

No. 3,053.—WHITBURN.

TOWNSHIP OF WHITBURN, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57' 33", Long. 1° 21' 28".

Account of Strata passed through in a Bore-hole half-a-mile to the South of Marsden Colliery. Commenced June 28th, 1877.

Approximate surface-level 75 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	5	2	8	2	4	7
Loamy sand	0	3	6				Soft yellow marl ...	0	2	6			
Clay	0	2	6				Yellow limestone ...	1	5	6			
Sharp sand	0	5	7				Hard brown lime-						
Sand, gravel and							stone	3	1	11			
large stones	0	1	6				Marl	0	2	0			
Stony clay	0	2	0				Yellow limestone ...	0	4	9			
				2	4	7	Brown limestone,						
Strong limestone ...	1	5	2				marl beds and						
Marl	0	5	6				water	3	3	5			
Light brown lime-							Yellow limestone,						
stone	2	4	0				with water	6	5	6			
Carried forward	5	2	8	2	4	7	Carried forward	22	4	3	2	4	7

No. 3,053.—WHITBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	22	4	3	2	4	7	Brought forward	36	4	9	2	4	7
Marl, with hard girdles ...	2	5	7				Light coloured limestone, with hard girdles ...	6	4	6			
Gullet ...	0	0	7				Hard brown limestone, with mild partings, and water	5	3	10	49	1	1
Hard panels of limestone, with marl...	2	0	2				Dark grey metal ...	0	2	6			
Broken limestone, mixed with marl...	2	4	2				Light grey metal ...	0	2	6			
Honey-combed limestone, with gulleets and marl beds ...	6	2	0				Light grey post ...	2	1	4	3	0	4
Carried forward	36	4	9	2	4	7	Total ...				55	0	0

No. 3,054.—WHITBURN.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 45", Long. 1° 22' 42".

Account of Strata passed through in a Bore-hole 200 yards North of Marsden Rock, on the edge of the Cliff. Commenced February 27th, 1882.

Approximate surface-level 75 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy soil ...	0	1	9				Brought forward	28	1	2	2	5	6
Brown clay, with sandy partings ...	0	5	9				Strong brown limestone ...	3	3	11			
Sand and gravel ...	1	1	6				Very hard limestone ...	0	2	8			
Hard brown boulder-clay ...	0	2	6	2	5	6	Strong grey metal, with hard girdles	0	1	9			
Yellow limestone, with brown girdles ...	4	2	6				Very hard limestone, with a little water ...	0	0	6	32	4	0
Marl ...	7	4	11				Dark grey shale ...	0	0	6			
Very hard limestone ...	0	4	7				Mild grey and white post ...	0	2	0	0	2	6
Mild yellow limestone, with water	3	4	6										
Very soft marl, with hard brown girdles and large gulleets	11	2	8										
Carried forward	28	1	2	2	5	6	Total ...				36	0	0

No. 3,055.—WHITBURN.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Account of Strata sunk and bored through at Marsden Paper Works, for The North Eastern Paper Works Company, Limited. Commenced June 20th, 1894.

Approximate surface-level feet above sea (Ordnance datum),

No. 3,055.—WHITBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sinking:—</i>							Brought forward	5	0	0	16	4	0
Blue clay, with							Hard limestone, with						
stones	1	0	0				water	1	0	0			
Sand	0	3	0				Limestone, with soft						
Marl and limestone,							partings	2	1	6			
with gravel	1	0	0				Gullet	0	3	6			
Marl and limestone,							Marl, with hard gir-						
with clay silt	5	0	6				dles, gulleets and						
				7	3	6	water	6	1	6			
Marl and limestone	2	2	0				Grey limestone, with						
Limestone, with a							hard girdles	7	0	4			
little marl, and							Limestone, with						
water	1	0	3				metal partings	0	4	6			
Marl and limestone,							Very hard limestone	2	1	0			
with water	5	4	3				Limestone, with marl						
				9	0	6	partings	2	2	3			
				16	4	0	Dark shale, with						
<i>Bored further:—</i>							water	0	1	8			
Marl	5	0	0				Hard limestone	0	1	3			
											27	5	6
Carried forward	5	0	0	16	4	0	Total				44	3	6

No. 3,056.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the B Pit, Whitley Colliery, near Hillheads.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	2				Brought forward	0	2	10	21	4	8
Yellow clay	1	1	0				Post, with whin	1	0	0			
Sand and tumbling							Grey metal	0	1	6			
stones	0	1	0				Post girdles	0	2	10			
Blue clay	3	5	6				Grey metal, with post						
				5	2	8	girdles	0	5	6			
Grey metal, with							Blue metal stone and						
partings	1	3	0				ironstone	0	3	0			
Bastard whin girdle	0	1	0				COAL	0	1	0			
Blue metal and whin	1	1	6								3	4	8
Black stone	0	2	0				Grey metal, with post						
Freestone post, with							girdles	0	1	1			
water standing to							Post girdles	0	3	2			
4 feet 9 inches from							Blue metal stone	0	0	7			
the top	11	1	2				Grey whin	0	1	4			
Grey metal	1	2	2				Hard post girdles	0	3	8			
Black stone	0	1	6				White post	0	2	2			
Grey metal	0	0	7				Black stone	0	1	1			
COAL, swaddy	0	1	1				Grey metal, with post						
				16	2	0	girdles	0	1	9			
Blue metal, with post							Blue metal stone	2	0	0			
girdles	0	0	10				Black metal stone	5	0	0			
Grey metal	0	2	0				Soft grey thill	0	0	3			
Carried forward	9	2	10	21	4	8	Carried forward	9	3	1	25	3	4

No. 3,056.—WHITLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	3	1	25	3	4	Brot. forward	2	6½	12	0	5	25	3	4
Black metal stone ...	1	2	3				COAL ...	2	7½						
Grey metal, full of							Grey band ...	0	3						
brass ...	0	0	10				COAL ...	1	0						
Hard white post ...	0	1	0				Soft grey								
Mild white post ...	0	2	11				band ...	0	6						
Sand ...	0	0	4				COAL , bot-								
Blue metal stone ...	0	2	0				tom ...	2	0						
High Main Seam—									1	2	11				
COAL ...	2	4½					Thill stone ...		0	0	9		13	3	4
Soft grey							Black stone, into ...		0	1	6				
band ...	0	2										0	2	3	
Car. forward	2	6½	12	0	5	25	Total ...					39	2	11	

No. 3,057.—WHITTINGTON.

TOWNSHIP OF WEST MATFEN, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. 55° 2' 44", Long. 1° 58' 18".

*Account of Strata sunk through in the Eastern Shaft, near Delight Farm,
at the Whittington Tunnel Works, for the Newcastle and
Gateshead Water Company.*

Approximate surface-level 535 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loamy clay ...	1	1	9				Brought forward	1	2	0	11	4	0
Strong boulder-clay, with some large boulders ...	10	2	3				Loose rotten shale ...	0	2	0			
				11	4	0	Limestone, with ver- tical fissures, 1 to 2 feet apart ...	5	3	8½			
Compact whinstone	1	2	0						7	1	8½		
Carried forward	1	2	0	11	4	0	Total ...				18	5	8½

No. 3,058.—WHITTONSTALL.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 or 105 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in a Bore-hole in the West corner of the
Enterlaw Field on the Whittington Estate, the property of the Governors
of Greenwich Hospital, April 16th, 1846.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward				4	3	0
Brown stony clay ...	0	3	6				Grey metal ...	0	5	1			
Dark brown stony clay ...	3	5	0				Rambly post ...	0	0	10			
				4	3	0	Grey post ...	0	0	6			
Carried forward				4	3	0	Grey metal stone ...	0	4	11			
							Carried forward	1	5	4	4	3	0

No. 3,058.—WHITTONSTALL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	5	4	4	3	0	Brought forward	1	1	6	21	0	4
COAL ...	0	0	9				Black stone ...	0	2	2			
				2	0	1	Grey metal stone,						
Seggar-clay ...	0	1	9				mixed with post ...	1	1	6			
Grey metal stone,							COAL ...	0	1	11			
with grey post gir-											3	1	1
dles ...	1	5	5½				Grey metal stone,						
COAL ...	0	3	0				with post girdles	1	5	3			
				2	4	2½	COAL ...	0	0	10			
Grey metal, with post											2	0	1
girdles ...	1	1	1				Strong white post,						
Brown post, with							with water ...	3	2	4			
water ...	0	3	0½				Dark grey metal ...	2	2	9			
White post ...	2	5	5				COAL , mixed with						
Brown post ...	0	3	4				metal ...	0	0	11			
Grey metal stone,											6	0	0
with grey post gir-							Grey metal, with						
dles ...	1	5	11				grey post girdles...	1	2	6			
<i>Brockwell Seam</i> —							COAL , with thin						
COAL ...	0	2	5½				metal partings ...	0	1	2			
				7	3	3					1	3	8
Grey metal stone,							Dark grey metal ...	0	3	4			
with grey post gir-							COAL ...	0	0	2			
dles ...	4	0	5½				Grey metal ...	1	0	10			
COAL , foul, mixed							Grey post ...	0	1	3			
with metal ...	0	1	4				Dark grey metal ...	0	3	2			
				4	1	9½	Dark grey metal,						
Grey metal stone,							mixed with coal...	0	0	4			
with grey post gir-							Grey post, into ...	3	4	4			
dles ...	1	1	6								6	1	5
Carried forward	1	1	6	21	0	4	Total ...				40	0	7

No. 3,059.—WHITTONSTALL.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 or 105 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in the No. 1 Bore-hole, Whittonstall Royalty,
in the corner of the third Field from the turn of the road leading from
Elcheater to Whittonstall, May 18th, 1865.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	3	0	0				Brought forward	4	2	6			
Dry sand ...	0	2	0				Sand and clay ...	2	3	6			
Clay ...	0	2	0				Quicksand, into ...	3	0	0			
Sand ...	0	1	6								10	0	0
Clay ...	0	3	0										
Carried forward	4	2	6				Total ...				10	0	0

No. 3,060.—WHITTONSTALL.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 or 105 of Ordnance Map. Lat.

, Long.

Account of Strata passed through in the No. 2 Bore-hole, Whittonstall Royalty, 1865.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	...	...	5	0	0		Brought forward	...	...	10	3	1	
Clay ...	...	...	1	2	0		Metal ...	...	...	0	5	0	
						6	2	0	Post ...	...	5	1	0
Metal ...	...	...	1	4	0		Grey metal ...	...	...	1	3	0	
Post ...	...	...	1	5	4		Supposed <i>Brockwell</i>						
Metal ...	...	...	0	0	8		<i>Seam—</i>						
							COAL ...	...	...	0	2	3	
COAL ...	Ft.	In.	1	6							7	5	3
COAL , foul ...	0	2					Grey metal ...	...	...	0	3	6	
COAL ...	1	5					Post, into ...	...	...	0	4	6	
			0	3	1						1	2	0
						4	1	1					
Carried forward						10	3	1	Total ...	...	19	4	4

No. 3,061.—WHITTONSTALL.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 or 105 of Ordnance Map. Lat.

, Long.

Account of Strata passed through in the No. 4 Bore-hole, Whittonstall Royalty, in the North-east corner of the Field called Old Field Head, and one Field West of the road leading from Ebchester to Whittonstall, 1865.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	...	4	0	0		Brought forward	...	...	2	2	4	5
						4	0	0	Metal ...	...	0	3	9
Post ...	...	...	0	2	0								
Black metal and <i>coal</i>	...	...	0	1	6		COAL ...	Ft.	In.	2	0		
Metal ...	...	...	0	2	2		Black metal ...	...	...	1	0		
COAL ...	...	...	0	1	4		COAL ...	...	...	0	6		
						1	1	0					
Grey metal ...	...	...	0	5	0				0	3	6		
Post ...	...	...	1	3	4						3	3	7
Carried forward	2	2	4	5	1	0	Total ...	...	...	8	4	7	

No. 3,062.—WHITTONSTALL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				26	0	9½	Brought forward	7	2	2	28	0	4	
Black stone ...	0	0	1½				Dark grey shale ...	0	1	3				
Seggar-clay ...	0	1	1				Marshall Green Seam—							
Dark grey post ...	0	3	5											
Grey post, with														
water ...	0	4	6				COAL ...							
Grey shale ...	0	1	8				Seggar-clay	0	4					
COAL ...	0	0	9				Dark grey							
				1	5	6½	shale ...	1	5					
							COAL ...	0	5					
Black shale ...	0	0	2							0	3	0		
Grey post ...	0	4	1									8	0	5
Hard grey post, with							Black stone, with							
white post girdles	2	1	5				coal threads ...	0	1	7				
White post ...	0	4	0				Dark grey post, with							
Dark grey post ...	0	1	6				ironstone girdles...	1	5	8				
Dark grey shale, with							Dark grey shale ...	0	3	3				
post girdles ...	1	1	3				Black stone, with							
Black stone ...	0	1	5				coal threads ...	0	0	9				
COAL ...	0	0	5				Seggar-clay ...	0	3	2				
Seggar-clay ...	0	4	0				Grey post, into	0	3	10				
Grey shale ...	0	4	9								4	0	3	
Grey shale, with														
ironstone girdles...	0	3	2											
Carried forward	7	2	2	28	0	4	Total ...				40	1	0	

No. 3,063.—WHITTONSTALL.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 54' 28", Long. 1° 52' 58".

Account of Strata passed through in the No. 4 Bore-hole at Whittonstall, for The Consett Iron Company, Limited. Commenced November 22nd, 1907.

Approximate surface-level 745 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil	0	0	9				Brought forward	6	4	11	7	1	1	
Yellow clay	0	2	3				<i>Three-Quarter Seam</i> —							
Freestone ramble	0	2	0											
				0	5	0								
Dark and grey shale	1	2	0				COAL ...	1	8					
<i>Stone Coal Seam</i> —							Black stone	0	4					
COAL	0	3	0							0	2	0		
				1	5	0						7	0	11
Grey and yellow free-							Seggar-clay	0	1	6				
stone	3	5	8				Grey post	2	3	11				
Grey shale	0	0	10				Dark grey shale, with							
<i>Five-Quarter Seam</i> —							post girdles	1	4	9				
COAL	0	2	7				<i>Brockwell Seam</i> —							
				4	3	1								
Seggar-clay	0	1	11				COAL ...	1	5					
Grey sandstone, with							Black stone	0	2					
shale partings	1	2	6							0	1	7		
Yellow sandstone,												4	5	9
with water at 9							Seggar-clay	0	1	0				
fathoms 4 feet	4	5	3				Dark grey post, into	1	0	3				
Dark grey shale	0	1	3								1	1	3	
Carried forward	6	4	11	7	1	1	Total				20	3	0	

No. 3,064.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 35", Long. 1° 31' 7".

*Account of Strata passed through in a Bore-hole on the Bankside,
near Whitwell Colliery, 1873.*

Approximate surface-level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	...	4	0	0			Brought forward	2	1	1	13	5	4
Quicksand ...	...	0	5	0			Grey metal ...	...	0	0	10		
Clay ...	...	0	1	6			Black metal, with						
Quicksand ...	...	1	0	0			<i>coal</i> ...	...	0	0	8		
Stony clay ...	...	2	0	4			Grey metal ...	...	0	1	6		
Quicksand ...	...	0	3	0			Grey metal post ...	...	0	4	10		
Very hard blue clay	...	0	1	0			Grey post ...	...	0	5	7		
				8	4	10	Grey metal post ...	...	1	4	5		
Grey metal, mixed							Dark metal, with						
with <i>coal</i> ...	...	0	4	0			post girdles ...	...	0	2	0		
Dark metal, mixed							Brown post ...	...	0	2	5		
with <i>coal</i> ...	...	0	2	1			Hard grey post ...	...	0	2	6		
Dark metal ...	...	0	5	6			Brown post ...	...	0	2	3		
Grey metal stone ...	...	0	1	0			Dark metal post ...	...	0	4	6		
Soft brown post ...	...	0	5	8			Post girdle ...	...	0	0	10		
Dark metal ...	...	0	2	0			Black metal, with						
	Ft.	In.					<i>coal</i> ...	...	0	1	4		
COAL ...	...	2	4				Grey metal post ...	...	1	2	4		
Dark metal ...	...	0	4				Grey post ...	...	0	3	0		
COAL ...	...	0	2				Dark metal stone ...	...	0	2	2		
			0	2	10		Dark metal, mixed						
				3	5	1	with <i>coal</i> ...	...	0	0	4		
Dark metal ...	...	0	3	5			Dark metal post ...	...	0	5	9		
Main Coal Seam—							Grey metal post:						
COAL ...	...	0	4	0			Low Main post ...	...	0	3	9		
				1	1	5					12	4	1
Grey metal ...	...	0	5	10									
Grey metal stone,													
with post girdle ...	...	1	1	3									
Carried forward	2	1	1	13	5	4	Total ...	...	26	3	5		

No. 3,065.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 46", Long. 1° 38' 15".

*Account of Strata passed through in a Bore-hole on the Whitworth Estate,
about 150 yards South of the River Wear and about 30 yards West of
Page Bank Bridge, June 3rd, 1873.*

Approximate surface-level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	1	6			Brought forward	3	4	11	0	1	6
				0	1	6	COAL, soft...	...	0	1	4		
Freestone ramble ...	...	1	2	11							4	0	3
Grey metal ...	...	2	2	0			Grey metal stone ...	...	2	5	3		
Carried forward	3	4	11	0	1	6	Carried forward	2	5	3	4	1	9

No. 3,065.—WHITWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	5	3	4	1	9
COAL	0	0	9			
Grey metal	2	0	6			
Grey post	3	2	11			
COAL	0	2	6			
				8	5	11
Grey metal	1	4	0			
Grey post	0	4	0			
Whin	0	1	0			
Grey post	0	2	6			
Grey metal	1	1	0			
Grey post	0	5	9			
Black metal, mixed with coal	0	1	0			
Light grey metal	0	1	3			
Grey post	1	0	6			
Grey metal stone	4	1	6			
Carried forward	10	4	6	13	1	8

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	4	6	13	1	8
Dark metal	0	1	0			
Busty Seam—						
	Ft.	In.				
COAL	1	10				
COAL, foul	0	3				
Grey metal	0	3				
COAL	0	4				
Grey metal	0	9				
Metal, mixed with coal	2	4				
COAL	2	2				
	1	1	11			
				12	1	5
Grey metal	0	3	8			
White post, into	1	2	6			
				2	0	2
Total	27	3	3			

No. 3,066.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 15' 18", Long. 1° 37' 36".

Account of Strata sunk through in the Isabella Pit, Widdrington Colliery.

Approximate surface-level 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.			
Clay	7	0	0				Brot. forward	1	10	2	5	1	10	5	3
				7	0	0	Metal	0	9						
Post	3	4	0				COAL	0	6						
										0	3	1			
COAL	0	7										3	2	2	
Metal	0	3					Seggar-clay	0	2	5					
COAL	0	5					Grey metal	1	1	0					
				0	1	3									
						3	5	3							
Seggar-clay	0	1	1					Ft. In.							
Post	1	3	0				COAL	1	1						
Grey metal	1	1	0				Band	0	3						
							COAL	2	10						
COAL	1	10								0	4	2			
												2	1	7	
Car. forward	1	10	2	5	1	10	5	3	Total			16	3	0	

No. 3,067.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 15' 23", Long. 1° 37' 4".

Account of Strata sunk through in the Sisters Pit, Widdrington Colliery, 1873.

Approximate surface-level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	8	4	9				Brought forward				8	4	9
				8	4	9	COAL	0	1	1			
Carried forward				8	4	9	Carried forward	0	1	1	8	4	9

No. 3,067.—WIDDRINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	1	8	4	9	Brought forward	8	3	3	18	3	1
Grey metal ...	0	5	3				COAL ...	2	2				
COAL ...	0	1	3				Band ...	0	7				
				1	1	7	COAL ...	0	5				
Grey metal ...	0	4	0					0	3	2			
White post ...	1	2	0				Seggar-clay ...	0	1	5	9	0	5
COAL ...	0	0	7				Grey metal ...	1	3	8			
Seggar-clay ...	0	2	0				White post ...	1	0	0			
Grey metal, mixed													
with post ...	1	5	7				COAL ...	1	5				
COAL ...	0	0	3				Band ...	2	5				
White post ...	1	2	1				COAL ...	0	10				
Grey metal, mixed							Band ...	0	2				
with ironstone ...	2	1	6				COAL ...	2	0				
							Seggar-clay ...	0	8				
COAL ...	0	9					COAL ...	0	4				
Band ...	0	6						1	1	10			
COAL ...	1	6									4	0	11
				0	2	9	Grey metal ...	0	2	6			
				8	2	9	Blue metal ...	1	0	6			
White post ...	3	4	0				White post ...	1	0	0			
COAL ...	0	0	3								2	3	0
Grey metal, mixed													
with post ...	4	5	0				Total ...				34	1	5
Carried forward	8	3	3	18	8	1							

No. 3,068.—WIDDRINGTON.

TOWNSHIP OF DRURIDGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 15' 10", Long. 1° 34' 5".

Account of Strata passed through in the Druridge Bore-hole, Widdrington, in the South-west corner of Grass Field in front of Druridge Farm House. Commenced February 7th, 1874; and stopped July 14th, 1875.

Approximate surface-level 25 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	2	0				Brought forward	0	4	10½	5	5	8½
Sand and gravel ...	0	4	0				Grey post girdle ...	0	0	2			
Blue clay ...	3	0	0				COAL ...	0	1	2			
				5	0	0					1	0	2½
Seggar-clay ...	0	3	6				Seggar-clay ...	0	0	11			
							Grey post ...	2	2	9			
COAL ...	0	6					Leafy post ...	0	1	3			
Coal band ...	0	2					COAL and coal						
COAL and coal							metal, mixed	0	0	10			
metal, mixed	1	6½					Seggar-clay ...	0	3	0			
				0	2	2½	Coal metal ...	0	1	6			
				0	5	8½	Leafy post ...	1	0	11			
Blue clay ...	0	0	7½				Grey post ...	2	0	11			
Seggar-clay and blue							Leafy post ...	0	1	0½			
clay, mixed	0	3	0				Hard grey post	3	2	5¾			
Blue clay ...	0	0	9				Coal metal ...	0	0	9			
Sand and gravel ...	0	0	6				Seggar-clay ...	0	0	6			
Carried forward	0	4	10½	5	5	8½	Carried forward	10	4	10½	6	5	11

No. 3,068.—WIDDRINGTON.—CONTINUED.

Brought forward						Brought forward							
	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.		
Grey post ...	...	0	4	3 $\frac{3}{4}$	10	Leafy post ...	...	1	0	0	
Grey metal ...	...	0	3	2		Strong blue metal ...	...	0	4	0	
COAL ...	Ft. In.	0	10			COAL ...	Ft. In.	0	11				
Coal band ...	...	0	4			Coal band ...	...	0	5		
COAL ...	...	0	7			COAL ...	...	0	8		
Band ...	...	0	2						0	2	0	
COAL ...	...	0	9							36	3 5 $\frac{1}{2}$	
			0	2	8	Seggar-clay ...	...	0	0	6		
					12	3	0	Grey metal	1	4	4	
Grey metal ...	...	0	0	5 $\frac{1}{2}$		White post ...	...	1	2	8	
Seggar-clay ...	...	0	2	0		COAL ...	...	0	1	7	
Dark grey post	...	0	4	6 $\frac{1}{2}$						3	3	1	
White post ...	...	0	1	2		Seggar-clay ...	...	0	3	0	
COAL ...	...	0	0	8		Grey metal ...	...	0	5	6	
					1	2	10	COAL	0	0	3	
COAL and coal						Seggar-clay ...	...	0	1	6		
metal ...	...	0	0	4 $\frac{1}{2}$		Grey metal ...	...	0	3	0	
Seggar-clay ...	...	0	0	9 $\frac{1}{2}$		COAL ...	...	0	0	11	
Dark grey metal	...	0	0	6						2	2	2	
Seggar-clay ...	...	0	1	9		Seggar-clay ...	...	0	1	4	
Leafy post ...	...	1	4	8		Grey metal ...	...	0	3	1	
Grey post ...	...	0	1	6		Grey post ...	...	0	1	6	
Blue metal ...	...	1	4	4								
Leafy post ...	...	0	1	8		COAL ...	Ft. In.	1	1			
Dark grey metal	...	0	0	10		Band ...	...	0	3			
COAL ...	...	0	1	1		COAL ...	...	0	3		
					4	5	6	Grey metal	0	4		
Grey metal band	...	0	0	4		COAL ...	...	0	6 $\frac{1}{2}$			
Black metal...	...	0	0	7						0	2	5 $\frac{1}{2}$	
Seggar-clay	0	2	10						1	2	4 $\frac{1}{2}$	
Grey metal ...	...	1	2	1		Seggar-clay ...	...	0	0	6	
Leafy post ...	...	0	1	6		Grey post ...	...	0	4	0 $\frac{1}{2}$	
Grey metal ...	...	1	3	11		White post ...	...	8	1	1	
Blue metal ...	...	2	1	3		COAL ...	...	0	0	6	
COAL	0	0	5						9	0	1 $\frac{1}{2}$	
COAL and grey						Seggar-clay ...	...	0	1	0		
metal pipes	...	0	1	6		Grey post ...	...	0	5	9		
Dark metal ...	...	0	0	4		COAL ...	...	0	0	3	
COAL ...	...	0	0	6 $\frac{1}{2}$		Seggar-clay ...	...	0	3	0	
					6	3	3 $\frac{1}{2}$	Grey post	0	3	6	
Strong grey metal	...	0	2	0 $\frac{1}{2}$		White post ...	...	3	5	0		
Leafy post ...	...	1	2	9		Grey post ...	...	1	2	0	
Grey metal ...	...	1	0	6		Grey metal ...	...	0	0	8	
White post ...	...	0	2	0		Grey post ...	...	1	1	6	
Leafy post ...	...	0	4	3		White post ...	...	0	3	7	
White post, with						COAL ...	...	0	0	10		
grey metal part-										9	3	1	
ings ...	...	8	0	11		Grey post ...	...	0	2	1	
Dark metal ...	...	0	0	3		Grey metal ...	...	0	5	3	
Seggar-clay ...	...	0	0	6		Black metal...	...	0	0	6		
Sand ...	...	0	0	5								
Grey metal, with soft						COAL ...	Ft. In.	0	8				
partings ...	...	5	2	11		Band ...	...	0	1		
Grey post, with						COAL ...	...	0	8			
white post girdles	1	2	6							0	1	5	
White post, with										1	3	3	
whin girdles	...	15	2	5		Black metal...	...	0	0	5			
						Seggar-clay ...	...	0	1	3		
Carried forward	34	3	5 $\frac{1}{2}$	32	2	6 $\frac{1}{2}$	Carried forward	0	1	8	96	2	1

No. 3,068.—WIDDRINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	4	0	240	3	2	Brought forward	8	5	9	245	0	10
Grey post ...	...	3	1	4			Dark grey post ...	...	2	0	0		
Blue metal ...	...	0	3	5			Dark grey post, with	...	1	3	0		
COAL ...	...	0	0	11			metal partings ...	...	0	5	0		
					4	3	8	Dark grey metal ...	...	1	5	4	
Soft grey metal ...	...	0	0	4			Dark metal and	...	0	1	6		
Dark metal ...	...	0	1	8			shells ...	...	0	1	0		
Grey post, with <i>coal</i>	...	5	2	10			Dark metal, into ...	...			15	3	7
pipes ...	...	0	2	11									
Dark metal ...	...	2	4	0									
Grey post ...	...											
Carried forward	8	5	9	245	0	10	Total ...	...	260	4	5		

No. 3,069.—WILLINGTON.

TOWNSHIP OF WILLINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 20", Long. 1° 41' 32".

Account of Strata passed through in a Bore-hole on the Willington Estate, to the North-east of Sunnybrow House, at the top of the Brick Yard, near Willington Burn, 1839.

Approximate surface-level 260 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay, with sand	3	3	6				Brought forward	9	3	8	7	4	0
				3	3	6	Black metal... ..	...	0	0	6		
<i>Ballarat Seam—</i>							<i>B or Seggar Seam—</i>						
COAL , foul ...	...	0	1	0			COAL ... ..	...	0	2	4		
				0	1	0					10	0	6
Light grey metal ...	...	3	0	0			Brown thill ...	...	0	3	3		
Dark grey metal ...	...	0	3	10			Brown post ...	...	0	3	8		
<i>Five-Quarter or Jet</i>							White post ...	...	1	4	6		
<i>Seam—</i>							White post, with						
COAL ... ..	...	0	1	8			blue metal part-						
				3	5	6	ings ...	...	2	2	3		
Grey metal ...	...	2	3	6			Strong white post,						
White post ...	...	1	0	2			with water ...	...	5	1	5		
Grey metal ...	...	0	2	4			<i>Brockwell Seam—</i>						
Brown post ...	...	0	2	9									
Grey metal ...	...	0	1	2									
Brown post ...	...	0	1	3									
Grey metal stone ...	...	0	1	10									
White post ...	...	3	4	9									
Grey metal ...	...	0	1	7									
Grey whin ...	...	0	1	4									
Grey metal, with													
white post girdles	0	1	0										
Carried forward	9	3	8	7	4	0							
							Total ...	...	28	5	9		

No. 3,070.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in a Bore-hole in the Venture Pit,
Willington Colliery.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold	29	2	10				Brought forward	9	1	0	69	2	10
Boxes ...	8	0	10				COAL ...	0	0	6			
				37	3	8					9	1	6
Grey and brown post, with red and brown scamy partings, and open gulleets and water ...	12	2	2				Grey metal ...	0	1	6			
Grey metal ...	0	2	0				Grey metal stone, with girdles ...	1	5	0			
Red and grey metal, with girdles ...	4	0	0				Black metal... ..	0	1	0			
White post, with water ...	0	1	0				COAL ...	0	0	3			
Whin ...	0	2	6				Grey metal, with girdles ...	3	1	0			
Brown and grey post	1	5	6				COAL ...	0	1	3			
Grey metal ...	0	4	0								5	4	0
COAL ...	0	0	9				Grey metal, with girdles ...	1	2	6			
				19	5	11	Grey metal stone, with post girdles	1	5	6			
Grey metal ...	0	1	0				White post ...	1	4	6			
Grey metal stone, with post girdles	4	1	3				Whin ...	0	3	0			
Grey metal, with girdles ...	2	3	0				Whin, with a mix- ture of strong white post and several whin gir- dles ...	9	5	0			
Grey girdley post, with water ...	1	0	0				Grey metal stone, with post girdles and metal part- ings ...	3	2	0			
Grey metal stone, with post girdles...	1	4	6				Blue and black metal, with water	2	1	0			
Whin ...	0	2	0				COAL ...	0	0	5			
White post, mixed with whin...	0	1	0								20	5	11
Grey scamy stone ...	1	3	6				Grey metal ...	0	0	6			
COAL, foul...	0	1	0				Grey metal stone, with girdles ...	0	5	6			
				11	5	3	Strong white post ...	1	1	0			
Grey metal ...	0	0	6				Whin ...	0	4	0			
Grey metal stone ...	0	5	6				Mixture whin and strong white post, with whin girdles	4	4	7			
Grey metal, with girdles ...	3	2	0				Strong white post, into ...	0	3	0			
White post ...	1	4	0								8	0	7
Grey scamy stone, with metal part- ings ...	2	0	0										
COAL ...	0	0	6										
Grey metal ...	1	0	6										
Carried forward	9	1	0	69	2	10	Total ...	113	2	10			

No. 3,071.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through below the High Main Seam, Willington Colliery, 1839.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
COAL , ground ...	0	1	6				Brought forward	7	3	7	15	5	5
Thill stone ...	0	2	0				COAL ...	0	0	4			
Blue stone, with											7	3	11
ironstone girdles...	4	5	2				Black stone ...	0	0	10			
Hard black stone ...	0	2	0				Blue stone ...	0	2	4			
Grey post girdles ...	0	2	2				Whin girdle...	0	1	2			
<i>Metal Coal Seam—</i>							Black stone ...	0	2	2			
<i>Ft. In.</i>							COAL , with sulphur						
Coal band ...	0	4					and water ...	0	3	1			
COAL , good	2	4									1	3	7
	0	2	8				Thill stone ...	0	2	6			
				6	3	6	Whin girdle...	0	1	4			
Thill stone ...	0	3	0				Post stone ...	0	1	0			
Grey metal stone,							Grey metal stone ...	0	2	2			
mixed with whin...	2	1	0				Blue stone ...	1	0	0			
Blue stone ...	0	2	0				Black stone ...	0	5	2			
Whin girdle...	0	0	2				Whin girdle...	0	2	0			
Black stone, with							Grey metal stone,						
sulphur and water	1	4	10				with whin girdles	1	1	6			
COAL , with sulphur	0	0	4½				Grey post stone ...	2	0	0			
				4	5	4½	Whin ...	0	2	0			
Grey post, mixed							Hard grey post,						
with whin...	1	2	5				mixed with whin...	0	4	0			
Blue stone ...	0	1	8				Blue stone ...	0	1	0			
Whin girdle...	0	0	2				Dark metal stone,						
Black stone ...	0	1	10				with post girdles						
Bluestone, with whin							and thin beds of						
girdles ...	2	1	8				blue stone ...	3	1	0			
Black stone ...	0	0	5				Blue stone ...	0	0	4			
COAL , with sulphur	0	0	4½				Black jet ...	0	0	5			
				4	2	6½	<i>Bensham Seam—</i>						
Thill ...	0	2	0				<i>Ft. In.</i>						
Soft grey metal							COAL ...	2	9				
stone, mixed with							COAL , bad						
lumps of whin ...	0	5	0				and splint	0	7				
Strong grey metal							COAL , good	1	6				
stone, with whin										0	4	10	
girdles ...	1	0	0										11 5 3
Blue stone ...	1	0	9				Swad ...	0	0	10			
Post girdle ...	0	2	2				Thill stone ...	0	1	5			
Black stone ...	0	2	4				Post stone ...	0	4	0			
Grey post, mixed							Blue stone ...	0	1	6			
with whin ...	1	3	2				Whin stone ...	0	0	9			
Blue stone, mixed							Blue stone ...	0	4	5			
with whin...	2	0	2								2	0	11
Carried forward	7	3	7	15	5	5	Total ...	39	1	1			

No. 3,072.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Account of Strata sunk through below the Bensham Seam, Willington Colliery.
Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Strong grey post ...	0	4	0				Brought forward	11	0	4	7	2	2½	
Strong grey metal ...	2	2	0				COAL ...	0	3	0				
Strong blue metal ...	2	4	0								11	3	4	
Hard grey post ...	1	4	0				Grey metal stone ...	0	4	1				
COAL , with a little							Blue stone, with							
gas and water ...	0	0	2½				ironstone girdles...	1	0	0				
				7	2	2½	<i>Low Main Seam—</i>							
Hard grey post ...	5	0	0											
Whin ...	0	5	0				COAL ...			Ft. In.				
Grey post stone ...	0	3	0					2	0					
Blue stone ...	3	0	0				Blue stone...	2	0					
Ironstone girdle ...	0	0	5				COAL	1	1					
Blue stone, with										0	5	1		
ironstone girdles...	1	3	11									2	3	2
Carried forward	11	0	4	7	2	2½	Total ...					21	2	8½

No. 3,073.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole at the Wallsend Slipway and Engineering Company, Limited's Wharf, Willington Gut. Commenced September 23rd, 1902.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From boring scaffold							Brought forward	13	0	3			
on jetty to bed of							Gravel ...	0	5	0			
river ...	3	2	0				Freestone, into ...	0	4	0			
Sand ...	6	5	3								14	3	3
Loamy sand... ..	2	5	0										
Carried forward	13	0	3				Total ...				14	3	3

No. 3,074.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 5 Bore-hole at the Wallsend Slipway and Engineering Company, Limited's Wharf, Willington Gut, September, 1902.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From boring scaffold							Brought forward	11	4	9			
on jetty to bed of							Sand ...	2	0	6			
river ...	2	5	0				Freestone, with water,						
Small gravel ...	0	2	0				into ...	0	1	6			
Soft silty clay ...	8	0	9								14	0	9
Gravel ...	0	3	0										
Carried forward	11	4	9				Total ...				14	0	9

No. 3,075.—WINSTON.

TOWNSHIP OF WINSTON, DURHAM.

Sheet 53 of Ordnance Map. Lat. $54^{\circ} 32' 45''$, Long. $1^{\circ} 48' 15''$.*Account of Strata passed through in a Bore-hole on the Winston Estate.
Commenced October 21st, 1872.*

Approximate surface-level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay, mixed with limestone boulders ...	3	2	6				Brought forward	3	0	9	18	5	8
				3	2	6	Grey post ...	0	4	0			
Soft freestone, with metal partings ...	3	1	3				Iron girdle ...	0	0	6 $\frac{1}{2}$			
Blue metal ...	0	3	9				Grey post ...	0	4	2 $\frac{1}{2}$			
Grey post ...	0	2	8				Dark grey post, with metal partings ...	0	3	2			
Grey metal ...	5	2	2				Blue metal ...	0	4	6			
Grey metal, with iron girdles ...	5	2	10				Post girdles, with metal partings ...	1	3	4			
COAL ...	0	2	6				Blue metal ...	8	3	6			
				15	3	2	Blue metal, with ironstone girdles ...	10	1	6			
Soft black laminated shale ...	0	0	6				Dun post ...	0	1	0			
Very hard gannister stone ...	0	1	3				Silicate of alumina ...	0	4	4			
Soft gannister stone	0	1	4				Black metal parting	0	0	3			
Medium hard gannister stone ...	0	3	4 $\frac{1}{2}$				Iron girdle ...	0	0	3			
Dark grey post, with white post girdles ...	0	4	0				Post girdle ...	0	4	10			
Iron girdle ...	0	0	2				Blue shale ...	0	3	9			
Grey post ...	1	2	0				Blue shale, with ironstone girdles ...	0	1	9			
Iron girdle ...	0	0	1 $\frac{1}{2}$				Blue metal ...	2	0	0			
							Silicate of alumina ...	0	4	9			
Carried forward	3	0	9	18	5	8	Strong white post ...	2	0	5			
											33	4	10
							Total ...				52	4	6

No. 3,076.—WINSTON.

TOWNSHIP OF WINSTON, DURHAM.

Sheet 53 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in the No. 1 Bore-hole at Winston, by Messrs.
William Coulson and Son.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	2	4	0	12	5	6
Hard stony clay ...	1	3	0				COAL ...	0	2	2			
Stones, sand and gravel, and water	0	2	0								3	0	2
Hard stony clay ...	10	5	0				Grey metal ...	0	3	9			
				12	5	6	Grey post, with water ...	0	1	0			
Soft yellow freestone	1	3	0				Whin or ironstone ...	0	0	7			
Soft grey metal ...	1	1	0				Grey post ...	0	2	9			
											1	2	1
Carried forward	2	4	0	12	5	6	Total ...				17	1	9

No. 3,077.—WINSTON.

TOWNSHIP OF WINSTON, DURHAM.

Sheet 53 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 2 Bore-hole at Winston, by Messrs. William Coulson and Son.

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	2	0				Brought forward	26	4	3	10	4	0
Sandy clay, with													
water at bottom ...	0	5	0				COAL						
Hard strong clay ...	8	3	0				Ft. In.	0	6	½			
Laminated clay ...	1	0	0				COAL, with						
				10	4	0	black part-						
Yellow freestone ...	0	5	0				ing ...	0	5	½			
Soft grey metal ...	1	4	6				Black stone ...	0	2				
Yellow freestone,							Black stone,						
with water ...	4	0	6				with coal ...	0	2				
Grey metal ...	2	3	8				COAL ...	0	10				
Grey post ...	1	1	0				COAL, with						
Soft grey metal,							thin black						
with coal pipes ...	0	1	0				partings ...	1	0				
Grey post gulleets and							COAL, coarse	0	4				
water ...	4	4	6							0	3	6	
Grey metal, with post							Soft seggar-clay ...	0	2	4	27	1	9
girdles ...	11	2	1				Grey metal, with post						
							girdles ...	1	0	0			
											1	2	4
Carried forward	26	4	3	10	4	0	Total ...				39	2	1

No. 3,078.—WITTON GILBERT.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 47' 57", Long. 1° 39' 1".

Account of Strata passed through in a Bore-hole in Witton Gilbert Fox Cover, on the North side of the River. Commenced April 22nd, 1874, and stopped August 18th, 1874.

Approximate surface-level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Hutton Seam (outcrop							Brought forward	28	0	0	0	4	1
in bankside)—							Grey metal stone ...	1	3	0			
COAL, good ...	0	4	1				Grey metal ...	0	2	4			
				0	4	1	Harvey Seam—						
Grey metal ...	0	4	0				COAL ...	0	1	9			
Grey metal stone ...	7	3	2								30	1	1
Grey post ...	2	3	0				Grey metal ...	0	3	0			
Grey metal stone ...	1	3	0				Grey metal stone ...	2	2	0			
Grey post ...	6	4	0				Whin ...	0	1	0			
Grey metal stone ...	3	0	0				Grey metal stone ...	1	3	0			
Grey post ...	5	3	6				Whin ...	0	2	0			
Grey metal ...	0	2	10				Grey post ...	0	1	6			
COAL ...	0	0	6				COAL, coarse ...	0	0	6			
Carried forward	28	0	0	0	4	1	Carried forward	5	1	0	30	5	2

No. 3,078.—WITTON GILBERT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	0	30	5	2	Brought forward	48	2	4			
Grey metal stone ...	1	2	0				Grey metal ...	0	1	0			
Grey metal ...	0	2	0				Grey metal stone ...	7	1	0			
COAL ...	0	1	3				COAL ...	0	1	6			
				7	0	3					7	3	6
Grey metal, with scares of <i>coal</i> near the bottom ...	1	0	0				Grey metal, with scares of <i>coal</i> ...	0	3	0			
Grey post ...	0	4	0				Grey post and whin	1	4	6			
Grey metal stone ...	0	5	0				Grey metal stone ...	1	1	4			
Grey post ...	1	5	4				Whin ...	0	1	6			
COAL ...	0	1	1				Grey metal stone ...	0	2	9			
				4	3	5	Whin ...	0	0	10			
Grey metal, with whin girdles ...	1	1	0				Grey metal stone ...	2	0	0			
Grey post and whin	3	4	3				Dark metal ...	0	4	6			
<i>Busty Bank Seam</i> —							<i>Brockwell Seam</i> —						
	Ft.	In.					COAL ...	0	1	10			
COAL , good	2	0									7	2	3
Grey band ...	0	1					Grey metal ...	0	4	0			
COAL , good	3	6					Grey post ...	2	2	0			
Grey metal							Grey metal ...	0	1	0			
and <i>coal</i> ...	0	4					COAL ...	0	0	4			
COAL , coarse	0	4									3	1	4
				1	0	3	Grey metal stone ...	0	2	0			
											0	2	0
Carried forward				48	2	4	Total ...				66	5	5

No. 3,079.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 41 of Ordnance Map. Lat. , Long.

*Account of Strata passed through in a Bore-hole near Witton Castle, in the
Clover Field about 400 yards South from the Lodge, October 25th, 1764.*

Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	3	4	11			
Sandy clay ...	0	2	0				Grey metal, with girdles ...	1	5	0			
Stony clay, with small beds of sand and a sipping of water ...	2	4	6				COAL ...	0	1	4			
				3	1	0					2	0	4
Soft black metal ...	0	0	5				Grey metal ...	0	2	3			
Brown ramby post...	0	1	0				White thready post, with water ...	0	1	6			
	Ft.	In.					Grey metal ...	0	3	0			
COAL , soft							COAL ...	0	0	8			
foul ...	1	0									1	1	5
Grey metal ...	0	6					Grey and white metal	0	2	0			
COAL , foul...	1	0					Grey metal stone ...	2	4	9			
				0	2	6	White thready post, with water ...	0	1	6			
							Grey metal ...	0	1	6			
Carried forward				3	4	11	Carried forward	3	3	9	7	0	8

No. 3,079.—WITTON PARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	9	7	0	8	Brought forward	21	1	4			
Gulley post, with water ...	0	2	0				Grey metal, with post girdles ...	2	0	4			
Grey metal, with girdles ...	2	0	9				COAL ...	0	0	7			
Grey and black metal	0	4	4				Grey metal, with girdles ...	1	3	5			
COAL ...	0	0	10				Hard girdle or lump	0	0	6			
				6	5	8	Grey metal, with girdles ...	1	1	0			
Thready whin ...	0	0	9				COAL ...	0	0	11			
Black metal...	0	0	4								5	0	9
Grey metal ...	0	2	0				Blue grey metal stone, with post girdles ...	2	4	8			
COAL, slaty the first half yard ...	0	4	9				Blue metal, with girdles or lumps ...	0	3	9			
				1	1	10	Black metal...	0	0	6			
Grey metal ...	1	0	0				COAL ...	0	5	0			
White post ...	0	4	0								4	1	11
Brown gulley post	0	4	0				White grey metal, into ...	0	2	0			
White and brown post ...	1	0	0								0	2	0
Grey metal ...	0	1	6										
White post ...	2	0	0										
Grey metal ...	0	0	6										
COAL ...	0	1	2										
				5	5	2							
Carried forward				21	1	4	Total ...	31	0	0			

No. 3,080.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 41 of Ordnance Map. Lat. , Long.

Account of Strata passed through in a Bore-hole near Witton Castle, about 350 yards to the West of the Lodge, February, 1765.

Approximate surface-level feet above sea (Ordnance datum).

	Fs	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			
Stony clay	0	3	4			
Grey metal, with post girdles	2	3	3			
COAL, foul... ..	0	0	2			
Grey metal	0	4	0			
COAL, foul... ..	0	0	4			
White and brown post, with partings	1	3	0			
White post	0	4	0			
Grey metal, with post girdles	3	0	0			
Black metal... ..	0	3	6			
COAL, foul... ..	0	1	4			
Grey metal	0	2	3			
	Ft.	In.				
Black stone or coal	0	6				
COAL	2	0				
Car. forward	2	6	10	2	2	

	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Brot. forward	2	6	10	2	2			
COAL, hard splinty	0	2						
COAL	2	2						
			0	4	10			
						11	1	0
Grey metal, with post girdles	3	0	6					
Brown gullety post, with water	0	2	0					
Blue whin	0	1	6					
White post	1	0	5					
Grey metal	0	1	6					
Brown gullety post...	0	1	6					
White post	0	2	0					
Grey metal	0	0	6					
COAL, foul... ..	0	1	2					
						5	5	1
Grey metal	0	4	0					
Carried forward	0	4	0	17	0	1		

No. 3,080.—WITTON PARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	0	4	0	17	0	1	Brought forward	1	0	6	19	5	0	
White and brown post, with water ...	0	5	0				Grey metal, with post girdles ...	4	3	5				
Grey metal, with girdles or lumps ...	1	1	4					Ft.	In.					
COAL ...	0	0	7				COAL ...	1	0					
				2	4	11	Grey metal ...	0	4					
Grey metal, with girdles or lumps ...	0	4	6				COAL ...	5	1					
White and brown post ...	0	2	0					1	0	5				
							Grey metal, into ...	0	1	3		6	4	4
											0	1	3	
Carried forward	1	0	6	19	5	0	Total ...				26	4	7	

No. 3,081.—WOLSINGHAM.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. $54^{\circ} 43' 49''$, Long. $1^{\circ} 53' 14''$.

Account of Strata passed through in a Bore-hole in a Well at Wolsingham Brewery, for Messrs. Hindmarch and Sons, by Messrs. William Coulson and Son. Commenced December 14th, 1876.

Approximate surface-level 470 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to bottom of well				4	3	$3\frac{1}{2}$	Brought forward	7	1	$0\frac{1}{2}$	4	3	$3\frac{1}{2}$
COAL ...	0	0	$2\frac{1}{2}$				Dark grey metal, with post girdles ...	1	5	6			
Dark grey metal ...	0	0	10				Very hard grey post	0	0	11			
Hard grey post, with water ...	0	3	0				Dark grey metal, with post girdles ...	0	2	6			
Dark grey metal, with post girdles...	0	2	0				Very hard grey post	0	0	9			
Hard grey post, with water ...	0	1	3				Strong dark grey metal, with post girdles, and water	1	5	0			
Grey metal, with post girdles ...	0	1	9				Very hard grey post	0	0	6			
Very hard whin ...	0	2	0				Strong dark grey metal, with post girdles: very soft and much water in the last 4 feet—						
Grey metal ...	0	0	4				water rose over top of hole, into	4	4	6			
Grey post, with metal partings, and water	1	3	0								16	2	$8\frac{1}{2}$
Light grey metal ...	0	3	9										
Dark grey metal ...	1	2	3										
Very hard grey post, with mild girdles, and water ...	1	4	8										
Carried forward	7	1	$0\frac{1}{2}$	4	3	$3\frac{1}{2}$	Total ...				21	0	0

No. 3,082.—WOODHORN.

TOWNSHIP OF HIRST, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat. 55° 11' 20", Long. 1° 32' 46".

*Account of Strata sunk through in the No. 1 Shaft, Woodhorn Colliery,
May, 1897.*

Approximate surface-level 92 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	10				Brought forward	4	1	6	39	3	6
Yellow clay	1	0	6				Dark metal and coal	0	1	0			
				1	1	4	Grey metal	2	4	0			
Sandstone	11	3	0				Post	0	0	6			
Soft blue metal	1	2	0				Grey metal	0	3	6			
COAL	0	0	1				Strong post	1	2	0			
Blue metal	0	2	8				Grey metal	1	3	0			
COAL	0	0	2				COAL and stone	0	1	4			
Seggar-clay	0	2	6								10	4	10
Grey post	0	2	1				Strong grey post	0	4	6			
Hard post girdle	0	1	0				Grey metal	0	4	6			
Grey metal	0	2	6				Whin	0	1	0			
Blue metal	1	3	0				Strong grey metal						
COAL	0	0	4				and post	2	2	6			
Grey metal	0	5	0										
Hard girdles	0	1	2				COAL	0	6				
Grey metal	0	1	10				Blackstone and						
Light grey post	1	3	6				coal	0	7				
Dark grey metal	2	0	0								0	1	1
Black stone	0	0	3										
COAL	0	1	2								4	1	7
				21	2	3	Strong grey metal,						
Seggar-clay	0	1	3				with post girdles...	0	3	0			
Black stone and coal	0	0	9				Grey post	0	2	6			
Light grey metal	1	3	2				Grey metal	1	0	0			
COAL and brass	0	0	4				Dark blue metal	1	5	6			
Strong grey metal	0	3	2				COAL	0	0	10			
Strong grey post	0	3	8				Grey metal, with post						
Whin	0	4	6				girdles	2	3	1			
Grey post	0	4	2				Grey post and metal	0	1	2			
Grey metal	0	1	6				Whin	0	1	3			
Blue metal	0	4	2				White post and grey						
Dark blue metal and							metal	1	1	0			
splint	0	1	0				White post	0	4	6			
Soft blue metal	1	5	6				High Main Seam—						
Strong grey metal,							COAL	0	2	10			
with post girdles	1	3	0								9	1	8
Grey metal	0	3	4				Seggar-clay	0	1	6			
Soft blue metal	0	5	9				Strong grey metal	1	2	0			
COAL	0	0	3				Soft grey metal	1	2	6			
Coarse seggar-clay	0	1	3				COAL and black						
Grey post	2	1	4				stone	0	1	3			
White post, with							Grey metal	3	2	0			
metal partings	3	0	0				COAL, coarse	0	2	4			
Grey metal	0	4	0								6	5	7
COAL	0	1	10				Grey metal and						
				16	5	11	seggar-clay	0	1	6			
Grey metal, with							Black metal and coal	0	2	3			
thin post girdles...	1	3	6				Strong grey metal	1	4	3			
White post	1	1	0				Hard white post	0	5	3			
Grey metal	1	3	0				White post and whin	4	4	6			
							Grey metal	0	1	4			
Carried forward	4	1	6	39	3	6	Carried forward	8	1	1	70	5	2

No. 3,082.—WOODHORN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	1	1	70	5	2	Brought forward	8	3	10	94	4	9
White post ...	0	4	0										
Grey metal and iron- stone ...	1	1	0				COAL ...	Ft. In.					
Dark metal ...	0	3	0				Band ...	0	5				
<i>Grey or Main Seam—</i>							COAL ...	0	5				
COAL ...	Ft. In.							0	1	11			
Band ...	0	3									8	5	9
COAL ...	2	5					Grey metal ...	1	1	6			
			0	4	6		COAL ...	0	0	7			
			11	1	7		Coarse seggar-clay ...	0	0	9			
Band ...	0	0	2				Strong grey post ...	1	1	6			
Grey post ...	0	1	5				Blue metal, with						
Dark metal ...	0	0	4				ironstone girdles...	1	3	3			
							Dark blue metal ...	0	1	2			
COAL ...	Ft. In.						COAL ...	0	1	9			
Band ...	0	5									4	4	6
COAL , splint ...	0	3					Dark metal ...	0	0	4			
COAL , coarse ...	1	1					Grey metal ...	1	4	0			
			0	3	0		Grey post and whin ...	0	4	6			
			0	4	11		Grey post ...	1	2	6			
Grey metal ...	0	2	9				White post ...	1	4	6			
COAL ...	0	0	7				Hard grey post ...	0	5	6			
Grey metal ...	0	2	10				Grey metal ...	1	0	0			
White post ...	0	2	10				Soft blue metal ...	0	3	10			
Grey metal ...	0	3	6										
Strong blue metal ...	0	4	6				COAL ...	Ft. In.					
Strong white post							Band ...	0	6				
and whin ...	1	2	6				COAL ...	1	6				
Grey post ...	0	2	6					0	3	2			
Grey metal, with post											8	4	4
girdles ...	1	2	6				Posty seggar-clay ...	0	2	6			
							Soft grey post ...	1	2	9			
COAL ...	Ft. In.						COAL ...	0	1	3			
Band ...	0	4									2	0	6
COAL ...	0	11					Posty seggar-clay ...	0	2	6			
Band ...	0	1					Strong grey post ...	0	4	6			
COAL ...	0	5					Blue metal ...	0	1	9			
			0	2	9		Grey post ...	0	1	0			
			6	3	3		Grey metal ...	1	2	0			
Seggar-clay and post	0	2	10				Grey post and whin	3	3	0			
Grey post ...	0	2	6				Strong grey post ...	1	3	0			
White post and whin	1	2	6				Dark blue metal ...	0	0	9			
Strong grey metal ...	2	2	0				Dark splint and						
<i>Yard Seam—</i>							stone ...	0	0	2			
COAL ...	0	4	0				<i>Low Main Seam—</i>						
			5	1	10								
Black stone and brass	0	0	2				COAL ...	Ft. In.					
Posty seggar-clay ...	0	1	2				COAL and	0	7				
Grey metal, with post							splint ...	1	2				
girdles ...	1	1	6				COAL , good ...	1	11				
Grey post ...	0	4	6				Band ...	0	5				
White post and whin	2	4	6				COAL ...	1	6				
Grey post ...	0	4	6				Band ...	0	1				
Mild white post ...	2	0	0				COAL , good ...	0	9				
Hard post, with coal								1	0	5			
pipes ...	0	3	0								9	1	1
Blue metal ...	0	2	6				Grey metal ...	0	5	0			
							Post girdle ...	0	0	5			
Carried forward	8	3	10	94	4	9	Grey metal ...	1	1	0			
							Carried forward	2	0	5	128	2	11

No. 3,082.—WOODHORN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	5	128	2	11	Brot. forward	2	1	7	0	2	128	2	11
Blue metal ...	0	1	6				COAL , splinty	0	3						
COAL and stone ...	0	0	6							0	2	4			
COAL ...	0	0	5										7	2	6
Seggar-clay ...	0	0	7				Coarse seggar-clay ...	0	1	6					
White post and whin	0	4	10				Dark metal and								
Grey metal ...	0	0	5				seggar-clay ...	0	1	7					
Post ...	0	1	9				COAL ...	0	0	1					
Grey metal and grey							Seggar-clay ...	0	0	2					
post ...	0	3	6				Light grey metal ...	0	4	6					
Blue metal, with							Grey post and whin	1	3	0					
ironstone girdles...	0	1	3				Whin girdle...	0	1	4					
Mussel bed, in dark							Hard green post ...	3	3	0					
metal ...	0	0	10				Strong grey metal ...	2	0	0					
Grey metal, with							<i>Plessey Seam</i> —								
ironstone girdles...	0	2	2				COAL ...	1	0						
Ironstone girdle ...	0	0	9				Band ...	0	1 $\frac{3}{4}$						
Blue metal, mixed							COAL ...	1	7 $\frac{1}{2}$						
with shell ...	0	1	6				Band ...	0	4						
Grey metal, with post							COAL ...	1	0 $\frac{1}{2}$						
girdle ...	1	3	9							0	4	1 $\frac{3}{4}$			
COAL ...													9	1	3 $\frac{3}{4}$
COAL , coarse							Seggar-clay, into ...	0	2	3					
splinty ...	0	10											0	2	3
COAL ...	0	9													
Car. forward	2	1	7	0	2	128	Total ...						145	2	11 $\frac{3}{4}$

No. 3,083.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 42' 42", Long. 1° 45' 7".

Account of Strata sunk through below the Main Coal Seam in the B Pit,
Woodifield Colliery.—Continuation of No. 2,332.

Approximate surface-level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface							Brought forward	7	4	8	15	2	0 $\frac{1}{2}$
to bottom of <i>Main</i>							White seggar-clay ...	0	4	6			
<i>Coal Seam</i> ...				15	2	0 $\frac{1}{2}$	COAL ...	0	0	3			
Seggar-clay ...	1	1	6				Black seggar-clay ...	1	1	6			
Blue stone ...	3	2	6				<i>Victoria Seam</i> —						
Post ...	3	0	8				COAL ...	0	2	9			
Carried forward	7	4	8	15	2	0 $\frac{1}{2}$				10	1	8	
							Total ...				25	3	8 $\frac{1}{2}$

No. 3,084.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.

, Long.

Account of Strata sunk and bored through in the No. 1 Ironstone Staple in the Main Coal Seam, 233 yards North-west of the Shaft, B Pit, Woodifield Colliery, April, 1847.—Supplementary to Nos. 2,332 and 3,083.

Approximate surface-level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth at shaft from surface to bottom of <i>Main Coal Seam</i>				15	2	0½	Brought forward	5	3	2	16	3	9½
<i>Sinking:—</i>													
Black swad thill ...	0	0	6				Ironstone band						
Seggar - clay, very good ...	0	1	6				Blue metal ...	1	0				
Seggar - clay, mixed with nodules of ironstone ...	0	5	9				Ironstone band	0	1½				
				1	1	9	Soft blue metal	1	2				
				16	3	9½	Ironstone band	0	2				
<i>Bored further:—</i>							Blue metal ...	1	9				
Grey post, with open gullets, and water	1	0	8				Ironstone band	0	3				
White post, with a metal parting, and water ...	1	1	6				—	0	4	6½			
Grey metal stone, with post girdles, and water	2	3	0								6	1	8½
Dark blue metal ...	0	4	0				Blue metal ...	0	1	0			
							COAL, foul...	0	0	3			
Carried forward	5	3	2	16	3	9½	Black ramble stone	0	0	6			
							Seggar-clay ...	0	2	0			
							Seggar-clay, mixed with nodules of ironstone ...	0	4	0			
							Post stone ...	0	2	0			
							Grey metal ...	0	0	6			
							COAL ...	0	2	9			
											2	1	0
							White post stone, into ...	1	1	0			
											1	1	0
							Total ...				26	1	6

No. 3,085.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 40 of Ordnance Map. Lat. 54° 38' 15½", Long. 1° 53' 46½".

Account of Strata sunk through in the Shaft North of Woodland Pit, Woodland Colliery, 1881.

Approximate surface-level 1,100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface and rubble...	2	0	0				Brought forward	2	5	7	2	0	0
				2	0	0	Coal shale ...	0	0	4			
Black shale ...	1	5	0				Coarse strong band	0	0	4			
Sandstone girdle ...	0	1	0				Fire-clay ...	0	0	3			
Black shale ...	0	0	10				COAL, coarse	0	0	2½			
COAL ...	0	0	2								3	0	8½
Fire-clay ...	0	4	7				Fire-clay ...	0	3	7			
Carried forward	2	5	7	2	0	0	Carried forward	0	3	7	5	0	8½

No. 3,085.—WOODLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	7	5	0	8½	Brought forward	13	3	3			
Strong girdle ...	0	2	3½				Fire-clay ...	0	2	10			
Grey sandstone ...	0	2	0				Strong sandstone ...	1	5	3			
Blue shale ...	0	0	4				Soft blue shale ...	0	1	5			
Grey sandstone ...	2	1	0				COAL ...	0	2	0			
COAL ...	0	0	1½								2	5	6
Fire-clay ...	0	1	6				Fire-clay ...	0	2	9			
Grey sandstone ...	0	2	0				Strong sandstone ...	0	2	9			
Blue shale ...	0	2	6				Blue shale ...	0	1	0			
Grey sandstone ...	0	2	6½				Strong sandstone ...	0	1	8			
Blue shale ...	0	1	3				Blue shale ...	0	0	5			
Grey sandstone ...	2	1	5				Leafy sandstone ...	0	4	4			
Blue shale ...	0	5	4				Blue shale ...	0	0	10			
COAL ...	0	0	8				Strong sandstone ...	0	4	4			
				8	2	6½					3	0	1
Carried forward				13	3	3	Total ...				19	2	10

No. 3,086.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 40 of Ordnance Map. Lat. 54° 37' 26", Long. 1° 53' 43".

Account of Strata sunk through in the Cowley Shaft, Woodland Colliery, 1896.

Approximate surface-level 980 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder-clay ...	7	4	8				Brought forward	0	4	11	16	2	2
				7	4	8	Blue shale, with						
COAL ...	0	0	9				sandstone girdles	0	1	9			
Fire-clay ...	0	0	6				Metal ...	0	2	5			
Light blue shale ...	1	2	5				Grey sandstone ...	0	2	7			
<i>Hutton Seam—</i>							Dark shale ...	0	0	5			
COAL ...	0	3	4				Iron girdles ..	0	0	6			
				2	1	0	Grey shale ...	0	1	10			
Fire-clay ...	0	4	10				COAL ...	0	0	3			
Strong grey shale ...	1	1	11				Fire-clay ...	0	0	8			
Dark blue shale ...	0	0	10				Dark blue shale ...	0	3	0			
Strong grey sandstone ...	1	2	2				Dark shale, with						
Shale ...	0	1	0				sandstone girdles	0	0	4			
Blue shale ...	2	1	2				Dark blue shale ...	0	3	4			
	Ft.	In.					Grey sandstone ...	0	4	0			
COAL ...	0	9					Blue shale ...	2	2	0			
Band ...	0	2					Sandstone girdles	0	3	4			
COAL ...	1	0					Blue shale ...	3	5	0			
Band ...	0	4					Sandstone girdle	0	2	4			
COAL, splint 0	4						Shale ...	0	1	0			
				0	2	7	COAL ...	0	0	6			
				6	2	6					11	4	2
Fire-clay ...	0	3	4				Fire-clay ...	0	3	2			
Grey sandstone ...	0	1	7				Strong grey sandstone ...	0	2	5			
							Grey beds ...	0	3	7			
Carried forward	0	4	11	16	2	2	Carried forward	1	3	2	28	0	4

No. 3,086.—WOODLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	1	3	2	28	0	4	Brought forward	7	1	1	36	2	3	
Blue shale	1	0	10			<i>Fault: Dip South 20</i>							
Grey beds	0	1	6			<i>fathoms.</i>							
Dark shale	0	0	6			<i>Brockwell Seam—</i>							
Grey sandstone	0	1	3				Ft. In.						
Light blue shale	0	4	8			COAL, can-							
Grey sandstone	0	1	6			nel ...	0	3					
Blue shale	1	0	4			COAL ...	3	4					
Dark shale	0	0	10			Band ...	0	8					
COAL	0	2	0			COAL ...	3	5					
				5	4	7				1	1	8		
Fire-clay	0	3	0								8	2	9
Grey shale	0	2	10			Fire-clay	1	1	2			
Blue shale	1	2	3			Blue shale	0	2	2			
COAL	0	1	3			Sandstone and grey							
				2	3	4	beds	2	0	10			
Fire-clay	0	2	9			Sandstone	1	2	10			
Dark blue shale	0	2	9			Blue shale	1	4	8			
Light blue shale	1	3	8			Fire-clay	2	1	10			
Grey sandstone	0	1	8			Blue shale	0	5	0			
Light grey beds	0	5	0			Hard sandstone	...	3	2	5			
Dark grey beds	2	3	7			COAL	0	0	6			
Sandstone	0	0	5							13	3	5	
Grey beds	0	0	7			Fire-clay	0	4	0			
Blue shale	0	4	8								0	4	0
Carried forward	7	1	1	36	2	3	Total ...				59	0	5	

No. 3,087.—WOODLAND.

TOWNSHIP OF COCKFIELD (DETACHED), DURHAM.

Sheet 40 of Ordnance Map. Lat. 54° 37' 19", Long. 1° 54' 23".

Account of Strata passed through in the No. 1 Bore-hole, Woodland Colliery, 363 yards South-east of East Hinden, 1899.

Approximate surface-level 1,030 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder-clay ...	3	2	0				Brought forward	10	0	9	3	2	0
				3	2	0	Soft blue shale ...	1	3	0			
Red sandstone ...	0	3	6				Blue shale ...	1	0	0			
Blue shale ...	0	5	0				Hard grey sandstone	0	0	6			
Grey sandstone ...	0	1	9				Soft blue shale, with						
Blue shale ...	1	4	9				ironstone balls ...	0	2	3			
Hard gritty grey							Hard gritty grey						
sandstone ...	0	1	3				sandstone ...	0	0	3			
Blue shale ...	0	3	0				Soft blue shale, with						
Black shale ...	0	0	6				ironstone balls ...	0	5	9			
Blue shale ...	0	2	0				Whinstone ...	0	0	7			
Hard gritty grey							Soft blue shale ...	0	2	5			
sandstone ...	0	2	0				Grey whinstone ...	0	2	6			
Blue shale, with							Blue shale ...	0	4	9			
ironstone balls ...	1	1	6				Fire-clay ...	0	1	2			
Grey sandy shale ...	2	0	0				COAL ...	0	0	5			
Blue shale, with iron-											16	0	4
stone balls... ..	1	5	6				Grey sandstone ...	0	0	4			
Carried forward	10	0	9	3	2	0	Carried forward	0	0	4	19	2	4

No. 3,087.—WOODLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	0	4	19	2	4	Brought forward	8	4	3	25	2	10
Fire-clay ...	1	3	1				Hard gritty sandstone ...	1	0	0			
Blue shale ...	0	5	2				Grey sandy shale ...	0	2	0			
Hard grey sandstone	3	3	2				Dark blue shale ...	0	3	6			
COAL ...	0	0	9				Grey sandy shale ...	1	2	9			
				6	0	6	Grey sandstone ...	2	2	2			
Ironstone ...	0	0	3				COAL ...	0	1	2			
Blue shale ...	0	0	6								14	3	10
Hard jointy grey sandstone ...	1	3	6				Blue shale ...	0	3	0			
Grey sandy shale ...	1	3	0				Grey sandy shale ...	1	3	6			
Grey sandstone ...	0	2	6				Hard grey sandstone	0	1	2			
Blue shale ...	1	4	6				Hard grey jointy sandstone ...	2	4	0			
Blue shale, with ironstone balls...	2	1	0				Grey sandstone ...	1	4	2			
Blue shale ...	1	1	0								6	3	10
Carried forward	8	4	3	25	2	10	Total ...				46	4	6

No. 3,088.—WOODLAND.

TOWNSHIP OF COCKFIELD (DETACHED), DURHAM.

Sheet 40 of Ordnance Map. Lat. 54° 37' 22", Long. 1° 54' 9".

Account of Strata passed through in the No. 3 Bore-hole, Woodland Colliery, 132 yards West of Cowley Farm House, 1899.

Approximate surface-level 1,030 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder-clay ...	1	0	0				Brought forward	8	1	5	8	4	1
				1	0	0	Black shale, with ironstone balls ...	1	1	5			
Hard grey sandstone	0	4	0				COAL ...	0	0	4			
Grey sandy shale ...	0	2	0								9	3	2
Hard grey sandstone	0	2	3				Fire-clay ...	1	1	0			
Soft grey sandstone	1	0	9				Hard grey jointy sandstone ...	0	1	9			
Blue shale ...	0	3	7				Grey sandy shale ...	0	3	9			
Soft shale ...	0	2	2				Hard grey sandstone	0	0	9			
COAL ...	0	2	1				Blue shale ...	1	1	6			
				3	4	10	Very hard and jointy grey whin ...	0	3	0			
Soft fire-clay ...	0	3	6				Grey sandstone ...	0	1	6			
Grey sandstone ...	0	3	6				Soft blue shale ...	0	3	2			
Blue shale ...	2	0	10				Very soft blue shale	0	3	5			
Grey sandstone ...	0	1	6				COAL ...	0	1	4			
Blue shale ...	0	1	6								5	3	2
Dark shale ...	0	0	2				Very soft fire-clay ...	1	0	1			
COAL, slaty ...	0	0	3				Soft grey sandy shale ...	1	0	3			
				3	5	3	Soft grey sandstone	1	3	9			
Blue shale ...	0	2	4				Soft grey sandy shale ...	0	2	0			
Grey sandstone ...	0	2	9				Soft grey sandstone	1	0	0			
Grey sandy shale ...	0	2	0				Carried forward	5	0	1	23	4	5
Blue shale ...	1	0	10										
Grey sandy shale ...	2	1	6										
Grey shale, with ironstone balls ...	3	4	0										
Carried forward	8	1	5	8	4	1							

No. 3,088.—WOODLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	0	1	23	4	5	Brought forward	10	2	1	23	4	5
Hard grey sandstone	0	1	6				Soft blue shale ...	1	1	2			
Soft blue shale ...	0	3	3				<i>Brockwell Seam—</i>						
Grey sandstone ...	1	1	0				COAL ..	0	5	7			
Hard grey sandstone	1	0	11								12	2	10
Soft grey sandstone	1	1	1				Fire-clay ...	0	4	8			
Blue shale ...	0	3	2				Grey sandstone	0	0	6			
Soft grey sandstone	0	3	1								0	5	2
Carried forward	10	2	1	23	4	5	Total ...				37	0	5

No. 3,089.—WOODLAND.

TOWNSHIP OF COCKFIELD (DETACHED), DURHAM.

Sheet 40 of Ordnance Map. Lat. 54° 37' 19", Long. 1° 54' 16".

*Account of Strata passed through in the No. 10 Bore-hole, Woodland Colliery,
286 yards South-west of Cowley Farm House, 1896.*

Approximate surface-level 1,020 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder-clay ...	2	1	6				Brought forward	5	0	1	14	3	6
				2	1	6							
Mild beddy sandstone	1	2	2				COAL ...	0	3				
Light blue shale ...	0	0	6				Band ...	0	2				
Dark blue shale, mixed with coal ...	0	1	0				COAL ...	0	4				
COAL ...	0	0	8								0	0	9
				1	4	4	Fire-clay ...	0	0	7			
Fire-clay ...	0	5	7				Blue shale ...	0	0	4			
Grey sandstone ...	0	0	4				Iron girdle ...	0	0	6			
Dark blue shale ...	1	0	0				Blue shale ...	0	1	4			
Iron girdles ...	0	0	3				Hard white sand- stone ...	0	4	11			
Grey sandstone ...	0	3	7				Mild white sand- stone ...	0	5	0			
Grey beds ...	1	2	8				Blue shale, with sandstone girdle...	1	2	4			
Blue shale ...	0	2	7				Dark shale ...	0	3	4			
COAL ...	0	0	3				Black band ...	0	0	6			
Fire-clay ...	0	0	6				Black shale ...	1	0	0			
White sandstone ...	0	0	9				COAL ...	0	2	2			
Blue shale, with iron girdles ...	5	4	6								5	3	0
COAL ...	0	0	8				Fire-clay ...	0	1	3			
				10	3	8	Grey sandstone ...	0	2	5			
Fire-clay ...	0	1	0				Brown sandstone ...	0	1	8			
Grey beds ...	0	3	10				Grey shale ...	0	1	9			
Hard white sand- stone ...	1	1	5				Hard white sand- stone ...	0	3	11			
Grey beds, with blue shale ...	0	4	1				Grey shale ...	0	4	9			
White sandstone ...	0	4	6				Sandstone girdle ...	0	0	3			
Blue shale ...	0	0	6				Grey shale ...	0	3	11			
White sandstone ...	1	2	4				<i>Busty Seam—</i>						
Shale ...	0	0	5				COAL ...	0	3	7			
											3	5	6
Carried forward	5	0	1	14	3	6	Total ...				29	0	10

No. 3,092.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 40 of Ordnance Map. Lat. 54° 38' 17", Long. 1° 54' 0".

*Account of Strata passed through in the No. 29 Bore-hole, Woodland Colliery,
528 yards North-west of the Woodland Shaft, 1872.*

Approximate surface-level 1,075 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder-clay ...	4	3	0				Brought forward	6	3	8	21	5	1
				4	3	0	Grey sandstone ...	0	5	11			
Black shale ...	1	1	3				COAL and blue						
Fire-clay ...	0	4	10				metal ...	0	1	7			
COAL and black							Fire-clay ...	0	1	3			
shale ...	0	1	0				Leafy sandstone ...	0	5	2			
				2	1	1	Blue shale ...	0	2	6			
Fire-clay ...	0	4	0				Leafy sandstone ...	0	1	3			
Leafy sandstone ...	0	2	6				Grey sandstone ...	0	1	2			
Blue shale ...	0	1	0				Leafy sandstone ...	0	3	10			
Grey sandstone ...	8	5	6				Blue shale ...	0	4	10			
Blue shale ...	1	2	6				Leafy sandstone ...	0	1	2			
COAL ...	0	1	4				Blue shale ...	3	2	10			
				11	4	10	Black shale ...	0	1	7			
Fire-clay ...	0	3	0				Blue shale ...	0	3	6			
Grey sandstone ...	1	5	9				Leafy sandstone ...	0	2	6			
Blue shale ...	0	1	4				Blue shale ...	0	2	5			
							Black shale ...	0	2	6			
COAL ...	1	0					Blue shale ...	0	5	2			
Band ...	0	2					Black shale ...	1	2	7			
COAL ...	2	11					Blue shale ...	0	4	7½			
				0	4	1	Leafy sandstone ...	0	1	4			
				3	2	2	Grey sandstone ...	5	0	0½			
Fire-clay ...	0	1	3				Mild blue shale ...	0	3	5			
Strong grey sand-							Leafy sandstone ...	1	1	0			
stone ...	0	3	0				Blue shale ...	1	5	7			
Leafy grey sand-							Leafy sandstone ...	0	3	0			
stone ...	0	1	0				Blue shale ...	0	4	0			
Grey sandstone ...	1	1	8				Leafy sandstone ...	0	3	0			
Leafy sandstone ...	0	1	0				COAL ...	0	1	2			
Grey sandstone ...	1	1	3								30	4	7
Leafy sandstone ...	0	1	0				Fire-clay ...	0	1	10			
Strong grey sand-							Grey sandstone ...	10	3	10			
stone ...	2	0	6								10	5	8
Blue shale ...	0	5	0										
Carried forward	6	3	8	21	5	1	Total ...				63	3	4

No. 3,093.—WOODLAND.

TOWNSHIP OF LYNESACK AND SOFTLEY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 37' 45", Long. 1° 52' 36".

*Account of Strata passed through in the No. 30 Bore-hole, Woodland Colliery,
35 yards North-east of Lane Head, 1861.*

Approximate surface-level 1,000 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	3	1	2				Brought forward				3	1	2
				3	1	2	Sandstone ...	3	2	9			
Carried forward				3	1	2	Carried forward	3	2	9	3	1	2

No. 3,093.—WOODLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	9	3	1	2	Brought forward	1	0	0	11	3	6
Blue shale ...	0	2	5				Light blue shale ...	2	2	0			
White sandstone ...	0	2	0				White sandstone ...	1	1	0			
Blue shale ...	0	4	0				Light blue shale ...	2	2	9			
Grey white sand-							<i>Hutton Seam—</i>						
stone ...	1	3	0				COAL ...	0	3	7			
Black shale ...	1	5	5								7	3	4
COAL ...	0	0	9				Fire-clay ...	0	1	0			
				8	2	4					0	1	0
Fire-clay ...	1	0	0										
Carried forward	1	0	0	11	3	6	Total ...				19	1	10

No. 3,094.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 37' 43", Long. 1° 53' 5½".

*Account of Strata passed through in the No. 31 Bore-hole, Woodland Colliery,
110 yards South-east of Fold Garth Farm House.*

Approximate surface-level 1,020 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	3	0	0				Brought forward	3	0	4	10	4	6
				3	0	0	Strong white sand-						
Light blue shale ...	3	0	0				stone ...	0	1	0			
Sandstone girdle ...	0	0	6				Light blue shale ...	1	3	9			
Grey shale ...	2	5	0				Dark blue shale ...	0	0	9			
Dark shale ...	0	1	0										
Sandstone girdle ...	0	0	6				COAL ...						
Black shale ...	1	3	0				<i>Ft. In.</i>						
COAL ...	0	0	6				COAL , bad ...	0	3				
				7	4	6					0	1	8
Grey shale ...	3	0	4								5	1	6
Carried forward	3	0	4	10	4	6	Total ...				16	0	0

No. 3,095.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 37' 23", Long. 1° 53' 0".

*Account of Strata passed through in the No. 36 Bore-hole, Woodland Colliery,
660 yards West of High Trough, 1894.*

Approximate surface-level 920 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy loam ...	0	3	8				Brought forward	4	1	4	0	5	0
Stiff brown clay ...	0	1	4				Fire-clay ..	0	0	3			
				0	5	0	Blue shale ...	0	5	6			
Brown sandstone ...	0	4	6				Brown sandstone ...	1	4	5			
Hard sandstone ...	0	5	6				Grey beds ...	0	3	5			
Clay bed ...	0	0	2				White sandstone ...	1	2	1			
Brown sandstone ...	0	5	7				Blue shale ...	0	0	4			
Grey beds ...	0	4	1				COAL ...	0	1	6			
Blue shale ...	0	5	6								9	0	10
Carried forward	4	1	4	0	5	0	Total ...				9	5	10

No. 3,096.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 40 of Ordnance Map. Lat. 54° 37' 9", Long. 1° 55' 14".

Account of Strata passed through in the No. 47 Bore-hole, Woodland Colliery, 1893.

Approximate surface-level 1,070 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder-clay ...	1	4	6				Brought forward				8	3	8
Soft clay ...	0	2	6				Fire-clay ...	2	2	0			
				2	1	0	Sandstone ...	1	3	6			
COAL ...	0	2	6				Grey bed ...	2	2	10			
				0	2	6	Grey sandstone ...	3	5	9			
Fire-clay and grey bed ...	3	1	6				Fine blue shale ...	1	0	0			
Blue shale ...	1	0	6				<i>Brockwell Seam—</i>						
<i>Busty Seam—</i>							COAL ...	4	9				
							Band ...	0	2				
COAL ...	3	9					COAL ...	1	8				
Fire-clay band ...	5	3								1	0	7	
COAL ...	1	2											12 2 8
				1	4	2	Fire-clay ...			0	0	6	
						6 0 2							0 0 6
Carried forward						8 3 8	Total ...						21 0 10

No. 3,097.—WOODLAND.

TOWNSHIP OF LANGLEYDALE WITH SHOTTON, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 36' 47½", Long. 1° 53' 0".

Account of Strata passed through in the No. 52 Bore-hole, Woodland Colliery, 638 yards South-east of Burnfoot Leazes, 1903.

Approximate surface-level 950 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boulder-clay ...	0	4	0				Brought forward	10	2	2	2	2	0
				0	4	0	Grey sandstone ...	0	0	9			
Sandstone ...	0	2	6				Blue shale ...	0	3	7			
Grey shale ...	0	5	6				COAL ...	0	1	4			
COAL ...	0	2	0								11	1	10
				1	4	0	Fire-clay ...	0	0	6			
Light sandstone ...	1	2	3				Grey sandstone ...	2	3	0			
Blue shale ...	1	0	3				Blue shale ...	0	0	6			
Grey sandstone ...	0	1	4				White sandstone ...	2	0	9			
Blue shale ...	0	4	2				Blue shale ...	0	4	9			
Grey sandstone ...	0	1	8				Grey sandstone ...	0	0	9			
Blue shale ...	0	1	9				Blue shale ...	2	2	6			
Light sandstone ...	5	3	6								8	0	9
Blue shale ...	0	5	3										
Carried forward	10	2	2	2	2	0	Total ...				21	4	7

No. 3,098.—WYLAM.

TOWNSHIP OF PRUDHOE CASTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 58' 4", Long. 1° 50' 25".

Account of Strata sunk through at West Wylam Colliery, 1866.

Approximate surface-level 95 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, with stone ...	2	4	0				Brought forward	46	1	10			
				2	4	0	Dark grey post, with iron girdles ...	0	4	7			
Blue metal, with ironstone ...	4	2	0				<i>Five-Quarter Seam—</i>						
Grey metal, with post girdles ...	1	1	4				Ft. In.						
Post girdles ...	0	0	10				COAL, splint	0	8				
Post, with grey metal partings ...	0	4	6				COAL, good	3	0				
Blue metal ...	6	0	0					0	3	8			
White post ...	0	5	2								1	2	3
Blue metal ...	0	0	8				Thill ...	0	0	9			
COAL, with thin bands of stone ...	0	2	4				Grey metal, with post girdles ...	0	2	6			
				13	4	10	White post ...	0	1	10			
Seggar-clay ...	0	3	8				Grey post, with hard girdles ...	1	3	0			
Grey metal, with post girdles ...	3	0	0				Whin ...	0	4	6			
Grey metal ...	3	1	0				Blue metal ...	1	0	6			
Black slaty stone ...	1	0	11				Seggar-clay ...	0	1	3			
COAL, with a band	0	1	1				<i>Six-Quarter Seam—</i>						
				8	0	8	COAL, good	0	4	4			
Seggar-clay ...	0	4	8					5	0	8			
Grey post ...	0	4	8				Thill ...	0	3	7			
White post ...	10	0	0				White post ...	0	4	0			
<i>Towneley Seam—</i>							Blue metal, with post girdles ...	4	0	4			
COAL ...	1	0	0				<i>Yard Coal Seam—</i>						
				12	3	4	Ft. In.						
Seggar-clay ...	0	4	9				COAL, good	2	3				
COAL ...	0	0	5				Band ...	0	1				
Blue metal, with ironstone balls ...	0	4	4				COAL, good	0	8				
Post, with whin girdles ...	1	1	6					0	3	0			
<i>Tilley Seam—</i>											5	4	11
COAL ...	0	2	4				Thill ...	1	0	0			
				3	1	4	Blue metal, with post girdles ...	1	2	0			
Seggar-clay ...	0	1	6				White post, with blue metal girdles	2	1	0			
Grey post, with whin girdles ...	1	2	0				Blue metal ...	1	3	0			
COAL ...	0	0	4				Grey post ...	1	1	0			
Dark grey metal ...	0	3	6				Blue metal ...	0	2	0			
White post ...	1	1	0				<i>Brockwell Seam—</i>						
Post, with blue metal partings ...	2	1	0				Ft. In.						
Blue metal ...	0	1	2				COAL, good	2	6				
COAL ...	0	1	2				COAL, splint	0	6				
				5	5	8		0	3	0			
											8	0	0
Carried forward	46	1	10				Total ...	66	3	8			

No. 3,099.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Account of Strata passed through in the No. 1 Bore-hole, near Wylam Church.
 Approximate surface-level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	5	5	9	6	3	0
Yellow clay ...	0	2	0				COAL	0	1	6			
Dark stony clay	6	0	0								6	1	3
				6	3	0	Dark brown seggar-						
Freestone, with soft							clay	0	1	0			
partings ...	1	4	3				Light grey shale ...	0	4	6			
Dark grey shale ...	2	4	3				Dark grey post ...	2	3	0			
Dark grey post ...	0	5	9				Hard white post ...	0	4	6			
White post ...	0	3	6								4	1	0
Carried forward	5	5	9	6	3	0	Total	16	5	3			

No. 3,100.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 58' 37", Long. 1° 49' 21".

Account of Strata passed through in the No. 3 Bore-hole, near Wylam Church.
 Approximate surface-level 105 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	2	0				Brought forward	6	2	6	13	0	0
Yellow clay ...	0	4	0				COAL	0	0	4			
Dark strong clay ...	5	5	0				Seggar-clay	0	2	0			
				6	5	0	Grey post	0	4	7			
Dark grey shale ...	2	1	6				Grey shale	1	4	5			
COAL , hard coarse	0	3	6				Whinstone	0	1	4			
				2	5	0	Hard white post ...	0	0	6			
Seggar-clay ...	0	2	0				Strong grey shale ...	0	0	10			
Dark metal ...	1	0	0				Grey post	1	1	2			
Light grey shale ...	1	0	0				Grey shale	0	2	4			
White post ...	0	4	6				COAL	0	3	0			
COAL	0	1	6								11	5	0
				3	2	0	Seggar-clay	0	1	0			
Grey post ...	3	0	0				Grey post	0	1	4			
White post ...	3	2	6								0	2	4
Carried forward	6	2	6	13	0	0	Total	25	1	4			

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EXPLANATIONS.

Names of coal-seams and other beds are in *italics*. The same name often applies, according to locality, to more than one seam.
The dash (—) or dashes (— —) at the beginning of a line denote the repetition of a word or words.

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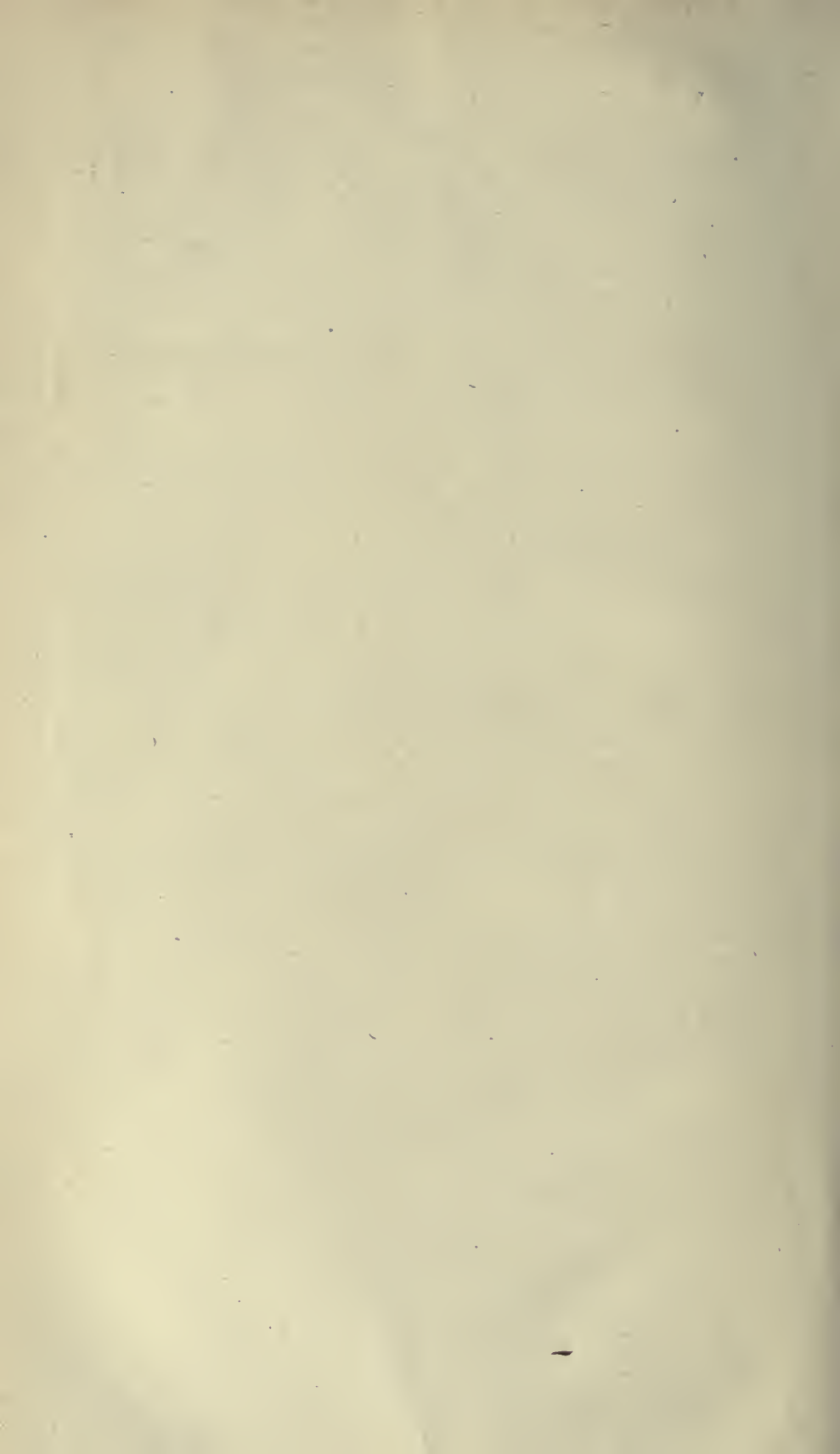
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